

Distributed Gate Thyristors

IXYS UK Westcode Ltd is recognised as the worldwide leader in distributed gate technology.

These devices are available with blocking voltages to 4.5kV, average current to 4kA, and t_q from 10 to 300 μ s. The distributed gate design and lifetime control features give these devices both high di/dt capability and fast, low recovery turn-off, while maintaining a low on-state voltage drop. Ideally suited to applications including: induction power supplies, high frequency inverters/converters, resonant power supplies and pulsed power.



Applications

- Induction power supplies for:
 - Melting
 - Billet heating
 - Surface conditioning
- Resonant power supplies
- Pulsed power

Features and benefits

- High average current ratings
- Low thermal resistance
- Double side cooling
- Optimised parts have higher surge current rating and enhanced mechanical design for maximum power to package ratio
- Industry standard, fully hermetic packages
- Suitable for applications up to 20kHz



New products for 2017

As part of IXYS UK's program of continuous improvement, we are proud to introduce four new distributed gate thyristors to our line up for 2017.

These new products are available with electrode diameters ranging from 47mm to 85mm, Voltage ratings from 1800V to 2800V and Average current ratings from 1055A to 5370A.



These devices are constructed using an all diffused silicon slice, fused to a metal disc, encapsulated in industry standard packages offering higher current density and improved turn-off characteristics. The thermal capacity of the metal disc and its direct fusion to the silicon slice enhances performance, presenting excellent transient thermal characteristics and higher surge current ratings.

Part No.	V _{DRM} V	V _{RRM} V	I _{TAV} T _K =55°C A	I _{TSM} 10ms 1/2 sine V _R ≤ 60% V _{RRM} A	I ² t A ² s	t _q @ 200V/μs μs	Typ. Reverse Recovery Charge T _{JM}			V _{T0} V	r _T @T _{JM} mΩ	T _{JM} °C	R _{thJK} 180° Sine K/W	Fig. No.
R1045NC28L	2800	2800	1055	12500	781 x 10 ³	60	950	1000	60	1.640	0.430	125	0.0240	W11
R1045NC28M	2800	2800	1055	12500	781 x 10 ³	70	950	1000	60	1.640	0.430	125	0.0240	W11
R1045NC32L	3200	3200	1055	12500	781 x 10 ³	60	950	1000	60	1.640	0.430	125	0.0240	W11
R1045NC28M	3200	3200	1055	12500	781 x 10 ³	70	950	1000	60	1.640	0.430	125	0.0240	W11
R2295HA22F	2200	2200	2295	30000	4.50 x 10 ⁶	30	875	1000	60	1.690	0.190	125	0.0110	W79
R2295HA22H	2200	2200	2295	30000	4.50 x 10 ⁶	40	875	1000	60	1.690	0.190	125	0.0110	W79
R3115TJ24J #	2800	2400	3115	56000	15.68 x 10 ⁶	50	3350	2000	60	1.884	0.120	125	0.0080	W81
R3115TJ24K #	2800	2400	3115	56000	15.68 x 10 ⁶	60	3350	2000	60	1.884	0.120	125	0.0080	W81
R3115TJ28J #	2800	2800	3115	56000	15.68 x 10 ⁶	50	3350	2000	60	1.884	0.120	125	0.0080	W81
R3115TJ28K #	2800	2800	3115	56000	15.68 x 10 ⁶	60	3350	2000	60	1.884	0.120	125	0.0080	W81
R5370EA18J #	1800	1800	5370	70000	24.5 x 10 ⁶	50	3000	1000	60	1.661	0.071	125	0.0050	W107
R5370EA18K #	1800	1800	5370	70000	24.5 x 10 ⁶	60	3000	1000	60	1.661	0.071	125	0.0050	W107
R5370EA22J #	2200	2200	5370	70000	24.5 x 10 ⁶	50	3000	1000	60	1.661	0.071	125	0.0050	W107
R5370EA22K #	2200	2200	5370	70000	24.5 x 10 ⁶	60	3000	1000	60	1.661	0.071	125	0.0050	W107

- New bonded designs for improved thermal performance.

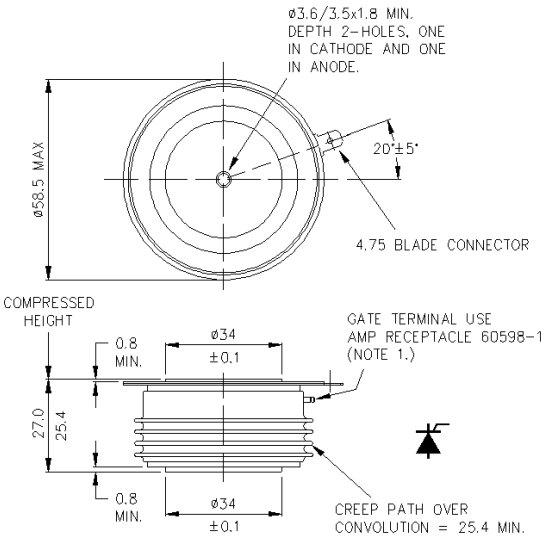
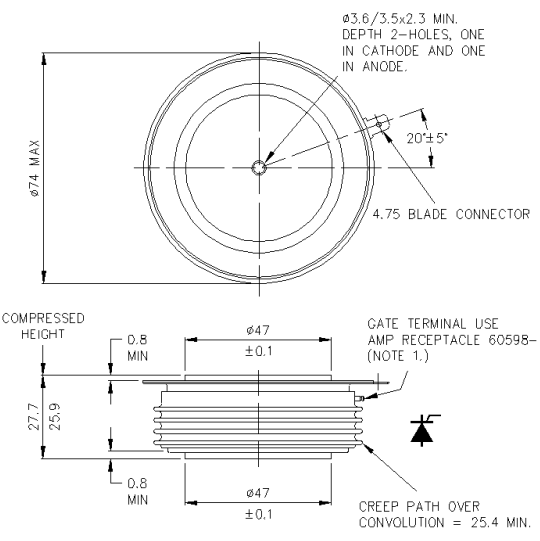
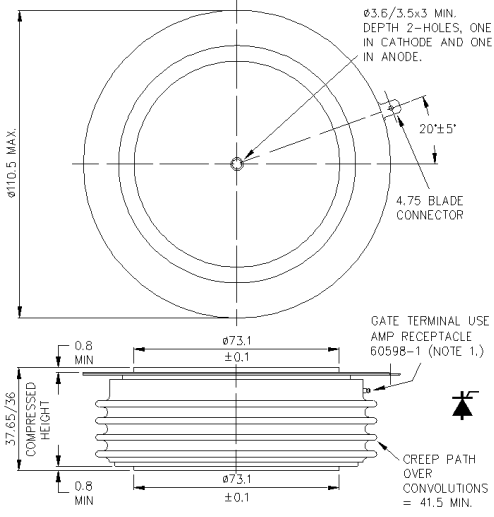
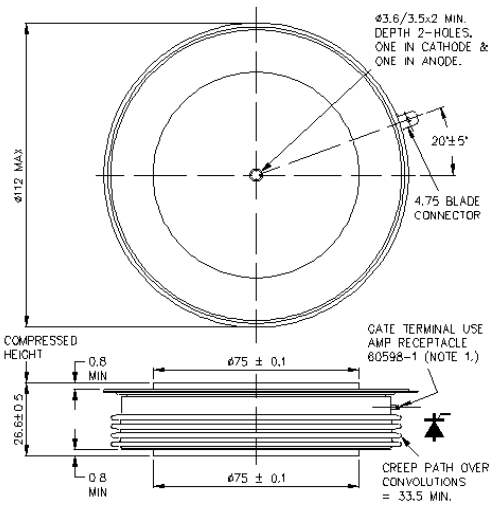
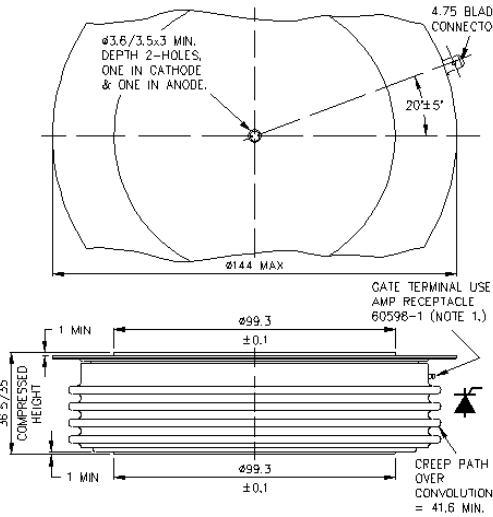
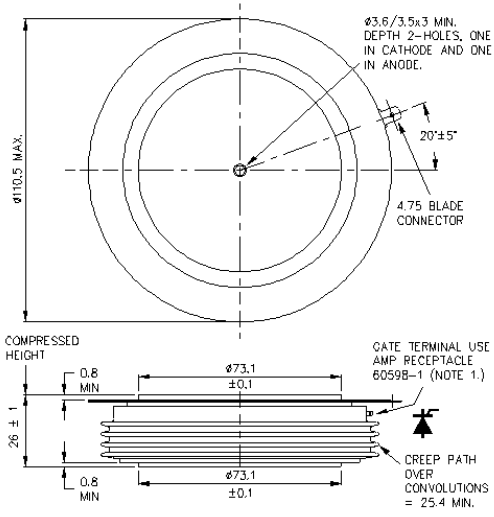
Part No.	V _{DRM}	V _{RRM}	I _{TAV}	I _{TSM}	I ² t	t _q	Typ. Reverse Recovery Charge			V _{T0}	r _T	T _{JM}	R _{thJK}	Fig. No.
	V	V	A	A	10ms 1/2 sine V _R - ≤ 60% V _{RRM} A ² s	@ 200V/μs μs	T _{JM}			V	mΩ	°C	180° Sine K/W	
							Q _{rr} μC	@ I _{TM} A	@ -di/dt A/μs					
R0472YC12E	1200	1200	472	4300	92.5 x 10 ³	25	155	550	40	1.648	1.125	125	0.050	W58
R0472YC12F	1200	1200	472	4300	92.5 x 10 ³	30	155	550	40	1.648	1.125	125	0.050	W58
R0472YC16E	1600	1600	472	4300	92.5 x 10 ³	25	155	550	40	1.648	1.125	125	0.050	W58
R0472YC16F	1600	1600	472	4300	92.5 x 10 ³	30	155	550	40	1.648	1.125	125	0.050	W58
R0487YC12D	1200	1200	487	4300	92.5 x 10 ³	20	90	550	40	1.738	0.943	125	0.0500	W58
R0487YC12E	1200	1200	487	4300	92.5 x 10 ³	25	90	550	40	1.738	0.943	125	0.0500	W58
R0487YC14D	1400	1400	487	4300	92.5 x 10 ³	20	90	550	40	1.738	0.943	125	0.0500	W58
R0487YC14E	1400	1400	487	4300	92.5 x 10 ³	25	90	550	40	1.738	0.943	125	0.0500	W58
R0577YC12C	1200	1200	577	6000	180 x 10 ³	15	150	550	40	1.510	0.640	125	0.0500	W58
R0577YC12D	1200	1200	577	6000	180 x 10 ³	20	150	550	40	1.510	0.640	125	0.0500	W58
R0577YC12E	1200	1200	577	6000	180 x 10 ³	25	150	550	40	1.510	0.640	125	0.0500	W58
R0633YC12D	1200	1200	633	6300	200 x 10 ³	20	125	550	40	1.250	0.614	125	0.0500	W58
R0633YC12E	1200	1200	633	6300	200 x 10 ³	25	125	550	40	1.250	0.614	125	0.0500	W58
R0633YC12F	1200	1200	633	6300	200 x 10 ³	30	125	550	40	1.250	0.614	125	0.0500	W58
R0717LC14G	1400	1400	717	7050	248.5 x 10 ³	35	425	1000	60	1.752	0.732	125	0.0320	W10
R0717LC18G	1800	1800	717	7050	248.5 x 10 ³	35	425	1000	60	1.752	0.732	125	0.0320	W10
R0736LC20J	2000	2000	736	6800	231 x 10 ³	50	640	1000	60	1.842	0.619	125	0.0320	W10
R0736LC20K	2000	2000	736	6800	231 x 10 ³	60	640	1000	60	1.842	0.619	125	0.0320	W10
R0736LC22J	2200	2200	736	6800	231 x 10 ³	50	640	1000	60	1.842	0.619	125	0.0320	W10
R0736LC22K	2200	2200	736	6800	231 x 10 ³	60	640	1000	60	1.842	0.619	125	0.0320	W10
R0736LC25J	2500	2500	736	6800	231 x 10 ³	50	640	1000	60	1.842	0.619	125	0.0320	W10
R0736LC25K	2500	2500	736	6800	231 x 10 ³	60	640	1000	60	1.842	0.619	125	0.0320	W10
R0736LC25L	2500	2500	736	6800	231 x 10 ³	65	640	1000	60	1.842	0.619	125	0.0320	W10
R0736LC25M	2500	2500	736	6800	231 x 10 ³	70	640	1000	60	1.842	0.619	125	0.0320	W10
R0809LC10A	1000	1000	809	8000	320 x 10 ³	10	120	1000	60	2.100	0.300	125	0.0320	W10
R0809LC10B	1000	1000	809	8000	320 x 10 ³	12	120	1000	60	2.100	0.300	125	0.0320	W10
R0830LC12C	1200	1200	830	8500	361 x 10 ³	15	285	1000	60	1.900	0.357	125	0.0320	W10
R0830LC12D	1200	1200	830	8500	361 x 10 ³	20	285	1000	60	1.900	0.357	125	0.0320	W10
R0830LC12E	1200	1200	830	8500	361 x 10 ³	25	285	1000	60	1.900	0.357	125	0.0320	W10
R0830LC12F	1200	1200	830	8500	361 x 10 ³	30	285	1000	60	1.900	0.357	125	0.0320	W10
R0830LC14C	1400	1400	830	8500	361 x 10 ³	15	285	1000	60	1.900	0.357	125	0.0320	W10
R0830LC14D	1400	1400	830	8500	361 x 10 ³	20	285	1000	60	1.900	0.357	125	0.0320	W10
R0830LC14E	1400	1400	830	8500	361 x 10 ³	25	285	1000	60	1.900	0.357	125	0.0320	W10
R0830LC14F	1400	1400	830	8500	361 x 10 ³	30	285	1000	60	1.900	0.357	125	0.0320	W10
R0878LC18K	1800	1800	878	7500	281 x 10 ³	60	720	1000	60	1.447	0.480	125	0.0320	W10
R0878LC18L	1800	1800	878	7500	281 x 10 ³	65	720	1000	60	1.447	0.480	125	0.0320	W10
R0878LC18M	1800	1800	878	7500	281 x 10 ³	70	720	1000	60	1.447	0.480	125	0.0320	W10
R0878LC20K	2000	1800	878	7500	281 x 10 ³	60	720	1000	60	1.447	0.480	125	0.0320	W10
R0878LC20L	2000	1800	878	7500	281 x 10 ³	65	720	1000	60	1.447	0.480	125	0.0320	W10
R0878LC20M	2000	1800	878	7500	281 x 10 ³	70	720	1000	60	1.447	0.480	125	0.0320	W10
R0878LC21K	2100	1800	878	7500	281 x 10 ³	60	720	1000	60	1.447	0.480	125	0.0320	W10
R0878LC21L	2100	1800	878	7500	281 x 10 ³	65	720	1000	60	1.447	0.480	125	0.0320	W10
R0878LC21M	2100	1800	878	7500	281 x 10 ³	70	720	1000	60	1.447	0.480	125	0.0320	W10
R0929LC10A	1000	1000	929	9000	405 x 10 ³	10	150	1000	60	1.549	0.350	125	0.0320	W10
R0929LC10B	1000	1000	929	9000	405 x 10 ³	12	150	1000	60	1.549	0.350	125	0.0320	W10
R0929LC10C	1000	1000	929	9000	405 x 10 ³	15	150	1000	60	1.549	0.350	125	0.0320	W10
R0929LC12A	1200	1200	929	9000	405 x 10 ³	10	150	1000	60	1.549	0.350	125	0.0320	W10
R0929LC12B	1200	1200	929	9000	405 x 10 ³	12	150	1000	60	1.549	0.350	125	0.0320	W10
R0929LC12C	1200	1200	929	9000	405 x 10 ³	15	150	1000	60	1.549	0.350	125	0.0320	W10
R0929LC12D	1200	1200	929	9000	405 x 10 ³	20	150	1000	60	1.549	0.350	125	0.0320	W10
R0929LC12E	1200	1200	929	9000	405 x 10 ³	25	150	1000	60	1.549	0.350	125	0.0320	W10
R0964LC10C	1000	1000	964	9400	442 x 10 ³	15	170	1000	60	1.530	0.309	125	0.0320	W10
R0964LC10D	1000	1000	964	9400	442 x 10 ³	20	170	1000	60	1.530	0.309	125	0.0320	W10
R0964LC10E	1000	1000	964	9400	442 x 10 ³	25	170	1000	60	1.530	0.309	125	0.0320	W10
R0964LC12C	1200	1200	964	9400	442 x 10 ³	15	170	1000	60	1.530	0.309	125	0.0320	W10
R0964LC12D	1200	1200	964	9400	442 x 10 ³	20	170	1000	60	1.530	0.309	125	0.0320	W10
R0964LC12E	1200	1200	964	9400	442 x 10 ³	25	170	1000	60	1.530	0.309	125	0.0320	W10
R0990LC08A	800	800	990	11000	605 x 10 ³	10	90	1000	60	1.350	0.350	125	0.0320	W10
R0990LC08B	800	800	990	11000	605 x 10 ³	12	90	1000	60	1.350	0.350	125	0.0320	W10
R0990LC08C	800	800	990	11000	605 x 10 ³	15	90	1000	60	1.350	0.350	125	0.0320	W10
R1045NC28L #	2800	2800	1055	12500	781 x 10 ³	60	950	1000	60	1.640	0.430	125	0.0240	W11
R1045NC28M #	2800	2800	1055	12500	781 x 10 ³	70	950	1000	60	1.640	0.430	125	0.0240	W11
R1045NC32L #	3200	3200	1055	12500	781 x 10 ³	60	950	1000	60	1.640	0.430	125	0.0240	W11
R1045NC28M #	3200	3200	1055	12500	781 x 10 ³	70	950	1000	60	1.640	0.430	125	0.0240	W11

Part No.	V _{DRM}	V _{RRM}	I _{TAV} T _K =55°C	I _{TSM}	I ² t 10ms 1/2 sine V _R - ≤ 60% V _{RRM}	t _q @ 200V/μs	Typ. Reverse Recovery Charge T _{JM}			V _{T0}	r _T	T _{JM}	R _{thJK} 180° Sine	Fig. No.
	V	V	A	A	A ² s	μs	Q _{rr}	@ I _{TM}	@ -di/dt A/μs	@T _{JM}	mΩ	°C	K/W	
								μC	A	A/μs	V			
R1124NC18J	1800	1800	1124	13500	0.91 x 10 ⁶	50	640	1000	60	1.540	0.379	125	0.0240	W11
R1124NC18K	1800	1800	1124	13500	0.91 x 10 ⁶	60	640	1000	60	1.540	0.379	125	0.0240	W11
R1124NC18L	1800	1800	1124	13500	0.91 x 10 ⁶	65	640	1000	60	1.540	0.379	125	0.0240	W11
R1124NC18M	1800	1800	1124	13500	0.91 x 10 ⁶	70	640	1000	60	1.540	0.379	125	0.0240	W11
R1124NC20J	2000	1800	1124	13500	0.91 x 10 ⁶	50	640	1000	60	1.540	0.379	125	0.0240	W11
R1124NC20K	2000	1800	1124	13500	0.91 x 10 ⁶	60	640	1000	60	1.540	0.379	125	0.0240	W11
R1124NC20L	2000	1800	1124	13500	0.91 x 10 ⁶	65	640	1000	60	1.540	0.379	125	0.0240	W11
R1124NC20M	2000	1800	1124	13500	0.91 x 10 ⁶	70	640	1000	60	1.540	0.379	125	0.0240	W11
R1124NC21J	2100	1800	1124	13500	0.91 x 10 ⁶	50	640	1000	60	1.540	0.379	125	0.0240	W11
R1124NC21K	2100	1800	1124	13500	0.91 x 10 ⁶	60	640	1000	60	1.540	0.379	125	0.0240	W11
R1124NC21L	2100	1800	1124	13500	0.91 x 10 ⁶	65	640	1000	60	1.540	0.379	125	0.0240	W11
R1124NC21M	2100	1800	1124	13500	0.91 x 10 ⁶	70	640	1000	60	1.540	0.379	125	0.0240	W11
R1127NC32P	3200	3200	1127	12800	819 x 10 ³	120	3500	1000	60	1.500	0.474	125	0.0220	W11
R1127NC32R	3200	3200	1127	12800	819 x 10 ³	140	3500	1000	60	1.500	0.474	125	0.0220	W11
R1127NC32S	3200	3200	1127	12800	819 x 10 ³	160	3500	1000	60	1.500	0.474	125	0.0220	W11
R1127NC32T	3200	3200	1127	12800	819 x 10 ³	200	3500	1000	60	1.500	0.474	125	0.0220	W11
R1127NC34R	3400	3400	1127	12800	819 x 10 ³	140	3500	1000	60	1.500	0.474	125	0.0220	W11
R1127NC34S	3400	3400	1127	12800	819 x 10 ³	160	3500	1000	60	1.500	0.474	125	0.0220	W11
R1127NC34T	3400	3400	1127	12800	819 x 10 ³	200	3500	1000	60	1.500	0.474	125	0.0220	W11
R1127NC36R	3600	3600	1127	12800	819 x 10 ³	140	3500	1000	60	1.500	0.474	125	0.0220	W11
R1127NC36S	3600	3600	1127	12800	819 x 10 ³	160	3500	1000	60	1.500	0.474	125	0.0220	W11
R1127NC36T	3600	3600	1127	12800	819 x 10 ³	200	3500	1000	60	1.500	0.474	125	0.0220	W11
R1158NC26N	2600	2600	1158	14500	1.05 x 10 ⁶	100	1600	1000	60	1.600	0.400	125	0.0220	W11
R1158NC26P	2600	2600	1158	14500	1.05 x 10 ⁶	120	1600	1000	60	1.600	0.400	125	0.0220	W11
R1158NC26T	2600	2600	1158	14500	1.05 x 10 ⁶	200	1600	1000	60	1.600	0.400	125	0.0220	W11
R1178NC14E	1400	1400	1178	17000	1.45 x 10 ⁶	25	320	1000	60	1.600	0.300	125	0.0240	W11
R1178NC14F	1400	1400	1178	17000	1.45 x 10 ⁶	30	320	1000	60	1.600	0.300	125	0.0240	W11
R1178NC14G	1400	1400	1178	17000	1.45 x 10 ⁶	35	320	1000	60	1.600	0.300	125	0.0240	W11
R1211NC12C	1200	1200	1211	17600	1.548 x 10 ⁶	15	230	1000	60	1.720	0.230	125	0.0240	W11
R1211NC12D	1200	1200	1211	17600	1.548 x 10 ⁶	20	230	1000	60	1.720	0.230	125	0.0240	W11
R1211NC12E	1200	1200	1211	17600	1.548 x 10 ⁶	25	230	1000	60	1.720	0.230	125	0.0240	W11
R1271NC12B	1200	1200	1271	18000	1.62 x 10 ⁶	12	200	1000	60	1.547	0.237	125	0.0240	W11
R1271NC12C	1200	1200	1271	18000	1.62 x 10 ⁶	15	200	1000	60	1.547	0.237	125	0.0240	W11
R1271NC12D	1200	1200	1271	18000	1.62 x 10 ⁶	20	200	1000	60	1.547	0.237	125	0.0240	W11
R1271NC12E	1200	1200	1271	18000	1.62 x 10 ⁶	25	200	1000	60	1.547	0.237	125	0.0240	W11
R1275NC18J	1800	1800	1275	15500	1.20 x 10 ⁶	50	940	1000	60	1.207	0.342	125	0.0240	W11
R1275NC18K	1800	1800	1275	15500	1.20 x 10 ⁶	60	940	1000	60	1.207	0.342	125	0.0240	W11
R1275NC18L	1800	1800	1275	15500	1.20 x 10 ⁶	65	940	1000	60	1.207	0.342	125	0.0240	W11
R1275NC18M	1800	1800	1275	15500	1.20 x 10 ⁶	70	940	1000	60	1.207	0.342	125	0.0240	W11
R1275NC20J	2000	1800	1275	15500	1.20 x 10 ⁶	50	940	1000	60	1.207	0.342	125	0.0240	W11
R1275NC20K	2000	1800	1275	15500	1.20 x 10 ⁶	60	940	1000	60	1.207	0.342	125	0.0240	W11
R1275NC20L	2000	1800	1275	15500	1.20 x 10 ⁶	65	940	1000	60	1.207	0.342	125	0.0240	W11
R1275NC20M	2000	1800	1275	15500	1.20 x 10 ⁶	70	940	1000	60	1.207	0.342	125	0.0240	W11
R1275NC21J	2100	1800	1275	15500	1.20 x 10 ⁶	50	940	1000	60	1.207	0.342	125	0.0240	W11
R1275NC21K	2100	1800	1275	15500	1.20 x 10 ⁶	60	940	1000	60	1.207	0.342	125	0.0240	W11
R1275NC21L	2100	1800	1275	15500	1.20 x 10 ⁶	65	940	1000	60	1.207	0.342	125	0.0240	W11
R1275NC21M	2100	1800	1275	15500	1.20 x 10 ⁶	70	940	1000	60	1.207	0.342	125	0.0240	W11
R1279NC22J	2200	2200	1279	14800	1.10 x 10 ⁶	50	1250	1000	60	1.440	0.330	125	0.0220	W11
R1279NC22K	2200	2200	1279	14800	1.10 x 10 ⁶	60	1250	1000	60	1.440	0.330	125	0.0220	W11
R1279NC22L	2200	2200	1279	14800	1.10 x 10 ⁶	65	1250	1000	60	1.440	0.330	125	0.0220	W11
R1279NC22M	2200	2200	1279	14800	1.10 x 10 ⁶	70	1250	1000	60	1.440	0.330	125	0.0220	W11
R1279NC25J	2500	2500	1279	14800	1.10 x 10 ⁶	50	1250	1000	60	1.440	0.330	125	0.0220	W11
R1279NC25K	2500	2500	1279	14800	1.10 x 10 ⁶	60	1250	1000	60	1.440	0.330	125	0.0220	W11
R1279NC25L	2500	2500	1279	14800	1.10 x 10 ⁶	65	1250	1000	60	1.440	0.330	125	0.0220	W11
R1279NC25M	2500	2500	1279	14800	1.10 x 10 ⁶	70	1250	1000	60	1.440	0.330	125	0.0220	W11
R1280NC21J	2100	2100	1280	14800	1.10 x 10 ⁶	50	1200	1000	60	1.440	0.330	125	0.0220	W11
R1280NC21K	2100	2100	1280	14800	1.10 x 10 ⁶	60	1200	1000	60	1.440	0.330	125	0.0220	W11
R1280NC21L	2100	2100	1280	14800	1.10 x 10 ⁶	65	1200	1000	60	1.440	0.330	125	0.0220	W11
R1280NC21M	2100	2100	1280	14800	1.10 x 10 ⁶	70	1200	1000	60	1.440	0.330	125	0.0220	W11

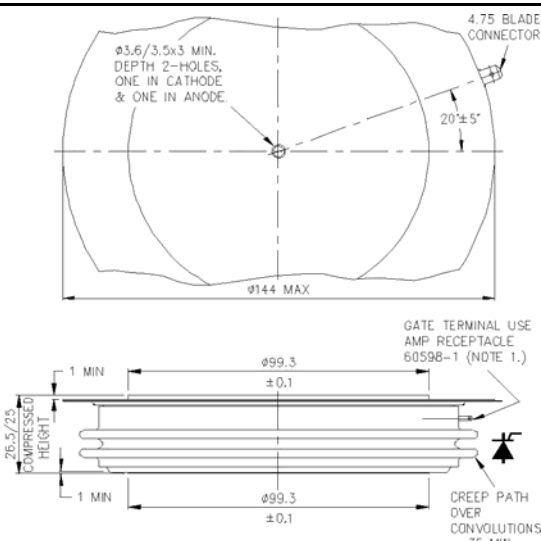
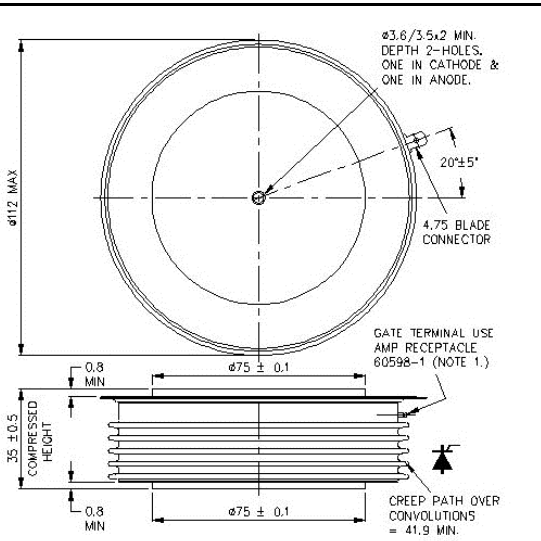
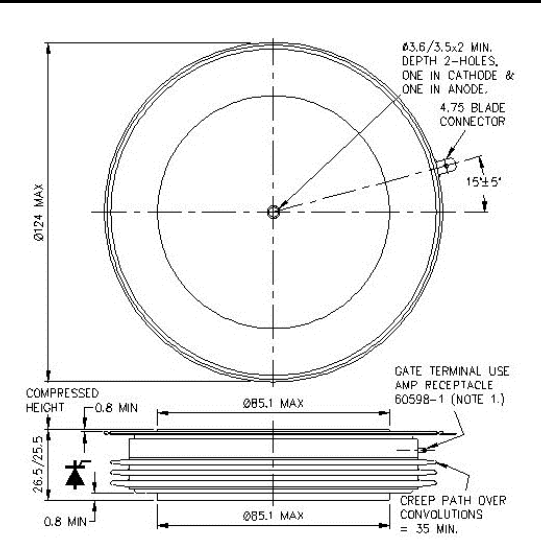
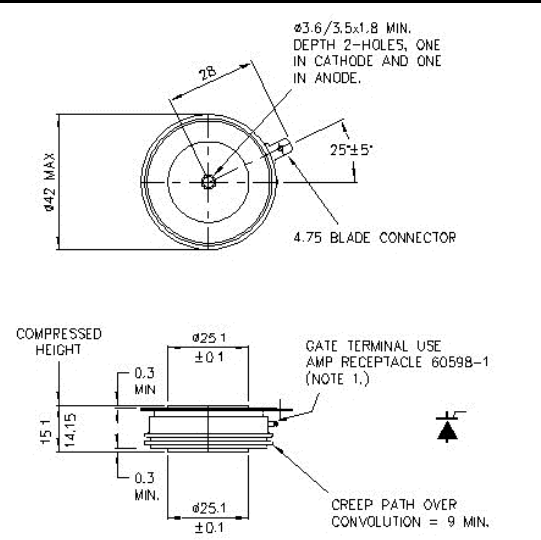
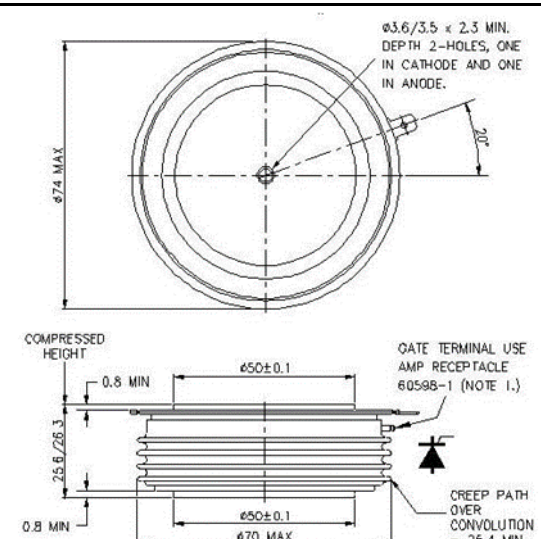
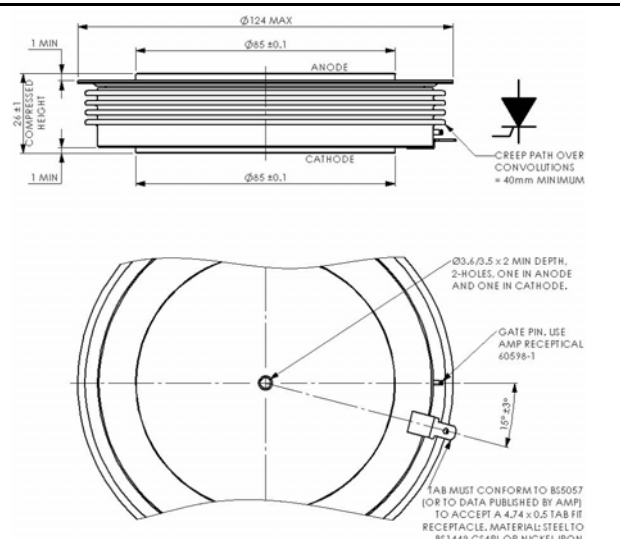
Part No.	V _{DRM}	V _{RRM}	I _{TAV} T _K =55°C	I _{TSM}	I ² t 10ms 1/2 sine V _R - ≤ 60% V _{RRM}	t _q @ 200V/μs	Typ. Reverse Recovery Charge T _{JM}			V _{TO}	r _T	T _{JM}	R _{thJK} 180° Sine	Fig. No.
	V	V	A	A	A ² s	μs	Q _{rr}	@ I _{TM}	@ -di/dt	@ T _{JM}		°C	K/W	
							μC	A	A/μs	V	mΩ			
R1280NC22J	2200	2100	1280	14800	1.10 x 10 ⁶	50	1200	1000	60	1.440	0.330	125	0.0220	W11
R1280NC22K	2200	2100	1280	14800	1.10 x 10 ⁶	60	1200	1000	60	1.440	0.330	125	0.0220	W11
R1280NC22L	2200	2100	1280	14800	1.10 x 10 ⁶	65	1200	1000	60	1.440	0.330	125	0.0220	W11
R1280NC22M	2200	2100	1280	14800	1.10 x 10 ⁶	70	1200	1000	60	1.440	0.330	125	0.0220	W11
R1280NC25J	2500	2100	1280	14800	1.10 x 10 ⁶	50	1200	1000	60	1.440	0.330	125	0.0220	W11
R1280NC25K	2500	2100	1280	14800	1.10 x 10 ⁶	60	1200	1000	60	1.440	0.330	125	0.0220	W11
R1280NC25L	2500	2100	1280	14800	1.10 x 10 ⁶	65	1200	1000	60	1.440	0.330	125	0.0220	W11
R1280NC25M	2500	2100	1280	14800	1.10 x 10 ⁶	70	1200	1000	60	1.440	0.330	125	0.0220	W11
R1331NC10B	1000	1000	1331	18200	1.66 x 10 ⁶	12	200	1000	60	1.450	0.285	125	0.0220	W11
R1331NC10C	1000	1000	1331	18200	1.66 x 10 ⁶	15	200	1000	60	1.450	0.285	125	0.0220	W11
R1331NC10D	1000	1000	1331	18200	1.66 x 10 ⁶	20	200	1000	60	1.450	0.285	125	0.0220	W11
R1331NC12B	1200	1200	1331	18200	1.66 x 10 ⁶	12	200	1000	60	1.450	0.285	125	0.0220	W11
R1331NC12C	1200	1200	1331	18200	1.66 x 10 ⁶	15	200	1000	60	1.450	0.285	125	0.0220	W11
R1331NC12D	1200	1200	1331	18200	1.66 x 10 ⁶	20	200	1000	60	1.450	0.285	125	0.0220	W11
R1446NC12C	1200	1200	1446	19500	1.90 x 10 ⁶	15	300	1000	60	1.304	0.199	125	0.0240	W11
R1446NC12D	1200	1200	1446	19500	1.90 x 10 ⁶	20	300	1000	60	1.304	0.199	125	0.0240	W11
R1446NC12E	1200	1200	1446	19500	1.90 x 10 ⁶	25	300	1000	60	1.304	0.199	125	0.0240	W11
R1446NC12F	1200	1200	1446	19500	1.90 x 10 ⁶	30	300	1000	60	1.304	0.199	125	0.0240	W11
R1448NC14H	1400	1400	1448	15500	1.20 x 10 ⁶	40	950	1000	60	1.300	0.250	125	0.0220	W11
R1448NC14J	1400	1400	1448	15500	1.20 x 10 ⁶	50	950	1000	60	1.300	0.250	125	0.0220	W11
R1448NC18H	1800	1800	1448	15500	1.20 x 10 ⁶	40	950	1000	60	1.300	0.250	125	0.0220	W11
R1448NC18J	1800	1800	1448	15500	1.20 x 10 ⁶	50	950	1000	60	1.300	0.250	125	0.0220	W11
R1448NC20H	2000	2000	1448	15500	1.20 x 10 ⁶	40	950	1000	60	1.300	0.250	125	0.0220	W11
R1448NC20J	2000	2000	1448	15500	1.20 x 10 ⁶	50	950	1000	60	1.300	0.250	125	0.0220	W11
R1448NC20K	2000	2000	1448	15500	1.20 x 10 ⁶	60	950	1000	60	1.300	0.250	125	0.0220	W11
R1448NC20L	2000	2000	1448	15500	1.20 x 10 ⁶	65	950	1000	60	1.300	0.250	125	0.0220	W11
R1448NC20M	2000	2000	1448	15500	1.20 x 10 ⁶	70	950	1000	60	1.300	0.250	125	0.0220	W11
R1700MC18E	1800	1800	1700	20000	2.0 x 10 ⁶	25	1400	1000	60	1.600	0.250	125	0.0150	W70
R1700MC18F	1800	1800	1700	20000	2.0 x 10 ⁶	30	1400	1000	60	1.600	0.250	125	0.0150	W70
R1700MC18G	1800	1800	1700	20000	2.0 x 10 ⁶	35	1400	1000	60	1.600	0.250	125	0.0150	W70
R1700MC18H	1800	1800	1700	20000	2.0 x 10 ⁶	40	1400	1000	60	1.600	0.250	125	0.0150	W70
R1700MC18J	1800	1800	1700	20000	2.0 x 10 ⁶	50	1400	1000	60	1.600	0.250	125	0.0150	W70
R1700MC21E	2100	1800	1700	20000	2.0 x 10 ⁶	25	1400	1000	60	1.600	0.250	125	0.0150	W70
R1700MC21F	2100	1800	1700	20000	2.0 x 10 ⁶	30	1400	1000	60	1.600	0.250	125	0.0150	W70
R1700MC21G	2100	1800	1700	20000	2.0 x 10 ⁶	35	1400	1000	60	1.600	0.250	125	0.0150	W70
R1700MC21H	2100	1800	1700	20000	2.0 x 10 ⁶	40	1400	1000	60	1.600	0.250	125	0.0150	W70
R1700MC21J	2100	1800	1700	20000	2.0 x 10 ⁶	50	1400	1000	60	1.600	0.250	125	0.0150	W70
R1955MC14D	1400	1400	1955	26500	3.51x10 ⁶	20	1000	1000	60	1.460	0.910	125	0.0150	W70
R1955MC14E	1400	1400	1955	26500	3.51x10 ⁶	25	1000	1000	60	1.460	0.910	125	0.0150	W70
R1955MC14F	1400	1400	1955	26500	3.51x10 ⁶	30	1000	1000	60	1.460	0.910	125	0.0150	W70
R1955MC16D	1600	1600	1955	26500	3.51x10 ⁶	20	1000	1000	60	1.460	0.910	125	0.0150	W70
R1955MC16E	1600	1600	1955	26500	3.51x10 ⁶	25	1000	1000	60	1.460	0.910	125	0.0150	W70
R1955MC16F	1600	1600	1955	26500	3.51x10 ⁶	30	1000	1000	60	1.460	0.910	125	0.0150	W70
R2075MC12A	1200	1200	2075	29000	4.21x10 ⁶	10	300	1000	60	1.390	0.167	125	0.0150	W70
R2075MC12B	1200	1200	2075	29000	4.21x10 ⁶	12	300	1000	60	1.390	0.167	125	0.0150	W70
R2075MC12C	1200	1200	2075	29000	4.21x10 ⁶	15	300	1000	60	1.390	0.167	125	0.0150	W70
R2295HA22F #	2200	2200	2295	30000	4.50 x 10 ⁶	30	875	1000	60	1.690	0.190	125	0.0110	W79
R2295HA22H #	2200	2200	2295	30000	4.50 x 10 ⁶	40	875	1000	60	1.690	0.190	125	0.0110	W79
R2475ZC28M	2800	2800	2475	31000	4.81 x 10 ⁶	70	3900	4000	60	1.504	0.174	125	0.0110	W13
R2475ZC28N	2800	2800	2475	31000	4.81 x 10 ⁶	100	3900	4000	60	1.504	0.174	125	0.0110	W13
R2475ZC28R	2800	2800	2475	31000	4.81 x 10 ⁶	140	3900	4000	60	1.504	0.174	125	0.0110	W13
R2475ZD28M	2800	2800	2475	31000	4.81 x 10 ⁶	70	3900	4000	60	1.504	0.174	125	0.0110	W46
R2475ZD28N	2800	2800	2475	31000	4.81 x 10 ⁶	100	3900	4000	60	1.504	0.174	125	0.0110	W46
R2475ZD28R	2800	2800	2475	31000	4.81 x 10 ⁶	140	3900	4000	60	1.504	0.174	125	0.0110	W46
R2619ZC18J	1800	1800	2619	33800	5.71 x 10 ⁶	50	1850	4000	60	1.308	0.173	125	0.0110	W13
R2619ZC18K	1800	1800	2619	33800	5.71 x 10 ⁶	60	1850	4000	60	1.308	0.173	125	0.0110	W13
R2619ZC18L	1800	1800	2619	33800	5.71 x 10 ⁶	65	1850	4000	60	1.308	0.173	125	0.0110	W13
R2619ZC20J	2000	2000	2619	33800	5.71 x 10 ⁶	50	1850	4000	60	1.308	0.173	125	0.0110	W13
R2619ZC20K	2000	2000	2619	33800	5.71 x 10 ⁶	60	1850	4000	60	1.308	0.173	125	0.0110	W13
R2619ZC20L	2000	2000	2619	33800	5.71 x 10 ⁶	65	1850	4000	60	1.308	0.173	125	0.0110	W13
R2619ZC21J	2100	2100	2619	33800	5.71 x 10 ⁶	50	1850	4000	60	1.308	0.173	125	0.0110	W13
R2619ZC21K	2100	2100	2619	33800	5.71 x 10 ⁶	60	1850	4000	60	1.308	0.173	125	0.0110	W13
R2619ZC21L	2100	2100	2619	33800	5.71 x 10 ⁶	65	1850	4000	60	1.308	0.173	125	0.0110	W13

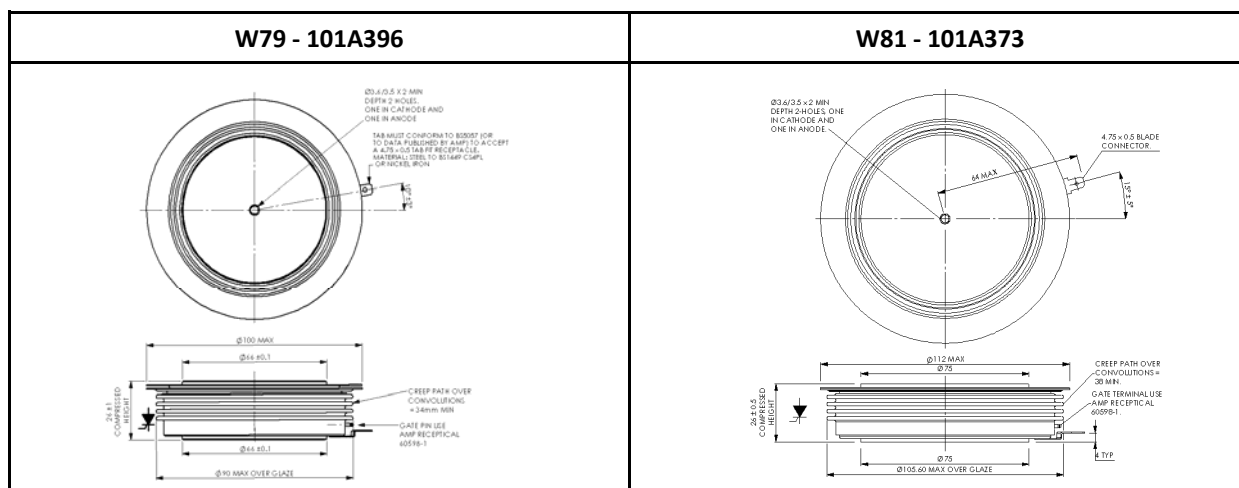
Part No.	V _{DRM}	V _{RRM}	I _{TAV} T _K =55°C	I _{TSM} 10ms 1/2 sine	I ² t V _R - ≤ 60% V _{RRM}	t _q @ 200V/μs	Typ. Reverse Recovery Charge			V _{T0}	r _T	T _{JM}	R _{thJK} 180° Sine	Fig. No.
	V	V	A	A	A ² s	μs	Q _{rr} μC	T _{JM} @ I _{TM} A	@ -di/dt A/μs	@ T _{JM} V	mΩ	°C	K/W	
R2619ZD18K	1800	1800	2619	33800	5.71 x 10 ⁶	60	1850	4000	60	1.308	0.173	125	0.0110	W46
R2619ZD18L	1800	1800	2619	33800	5.71 x 10 ⁶	65	1850	4000	60	1.308	0.173	125	0.0110	W46
R2619ZD20J	2000	2000	2619	33800	5.71 x 10 ⁶	50	1850	4000	60	1.308	0.173	125	0.0110	W46
R2619ZD20K	2000	2000	2619	33800	5.71 x 10 ⁶	60	1850	4000	60	1.308	0.173	125	0.0110	W46
R2619ZD20L	2000	2000	2619	33800	5.71 x 10 ⁶	65	1850	4000	60	1.308	0.173	125	0.0110	W46
R2619ZD21J	2100	1800	2619	33800	5.71 x 10 ⁶	50	1850	4000	60	1.308	0.173	125	0.0110	W46
R2619ZD21K	2100	1800	2619	33800	5.71 x 10 ⁶	60	1850	4000	60	1.308	0.173	125	0.0110	W46
R2619ZD21L	2100	1800	2619	33800	5.71 x 10 ⁶	65	1850	4000	60	1.308	0.173	125	0.0110	W46
R2619ZD25J	2500	2100	2619	33800	5.71 x 10 ⁶	50	1850	4000	60	1.308	0.173	125	0.0110	W46
R2619ZD25K	2500	2100	2619	33800	5.71 x 10 ⁶	60	1850	4000	60	1.308	0.173	125	0.0110	W46
R2619ZD25L	2500	2100	2619	33800	5.71 x 10 ⁶	65	1850	4000	60	1.308	0.173	125	0.0110	W46
R2620ZC22J	2200	2200	2620	33800	5.71 x 10 ⁶	50	2100	4000	60	1.500	0.143	125	0.0110	W13
R2620ZC22K	2200	2200	2620	33800	5.71 x 10 ⁶	60	2100	4000	60	1.500	0.143	125	0.0110	W13
R2620ZC22L	2200	2200	2620	33800	5.71 x 10 ⁶	65	2100	4000	60	1.500	0.143	125	0.0110	W13
R2620ZC25J	2500	2500	2620	33800	5.71 x 10 ⁶	50	2100	4000	60	1.500	0.143	125	0.0110	W13
R2620ZC25K	2500	2500	2620	33800	5.71 x 10 ⁶	60	2100	4000	60	1.500	0.143	125	0.0110	W13
R2620ZC25L	2500	2500	2620	33800	5.71 x 10 ⁶	65	2100	4000	60	1.500	0.143	125	0.0110	W13
R2620ZD22J	2200	2200	2620	33800	5.71 x 10 ⁶	50	2100	4000	60	1.500	0.143	125	0.0110	W46
R2620ZD22K	2200	2200	2620	33800	5.71 x 10 ⁶	60	2100	4000	60	1.500	0.143	125	0.0110	W46
R2620ZD22L	2200	2200	2620	33800	5.71 x 10 ⁶	65	2100	4000	60	1.500	0.143	125	0.0110	W46
R2620ZD25J	2500	2500	2620	33800	5.71 x 10 ⁶	50	2100	4000	60	1.500	0.143	125	0.0110	W46
R2620ZD25K	2500	2500	2620	33800	5.71 x 10 ⁶	60	2100	4000	60	1.500	0.143	125	0.0110	W46
R2620ZD25L	2500	2500	2620	33800	5.71 x 10 ⁶	65	2100	4000	60	1.500	0.143	125	0.0110	W46
R2714ZC14H	1400	1400	2714	35600	6.34 x 10 ⁶	40	1400	4000	60	1.250	0.163	125	0.0110	W13
R2714ZC14J	1400	1400	2714	35600	6.34 x 10 ⁶	50	1400	4000	60	1.250	0.163	125	0.0110	W13
R2714ZC14K	1400	1400	2714	35600	6.34 x 10 ⁶	60	1400	4000	60	1.250	0.163	125	0.0110	W13
R2714ZC18H	1800	1800	2714	35600	6.34 x 10 ⁶	40	1400	4000	60	1.250	0.163	125	0.0110	W13
R2714ZC18J	1800	1800	2714	35600	6.34 x 10 ⁶	50	1400	4000	60	1.250	0.163	125	0.0110	W13
R2714ZC18K	1800	1800	2714	35600	6.34 x 10 ⁶	60	1400	4000	60	1.250	0.163	125	0.0110	W13
R2714ZD14H	1400	1400	2714	35600	6.34 x 10 ⁶	40	1400	4000	60	1.250	0.163	125	0.0110	W46
R2714ZD14J	1400	1400	2714	35600	6.34 x 10 ⁶	50	1400	4000	60	1.250	0.163	125	0.0110	W46
R2714ZD14K	1400	1400	2714	35600	6.34 x 10 ⁶	60	1400	4000	60	1.250	0.163	125	0.0110	W46
R2714ZD18H	1800	1800	2714	35600	6.34 x 10 ⁶	40	1400	4000	60	1.250	0.163	125	0.0110	W46
R2714ZD18J	1800	1800	2714	35600	6.34 x 10 ⁶	50	1400	4000	60	1.250	0.163	125	0.0110	W46
R2714ZD18K	1800	1800	2714	35600	6.34 x 10 ⁶	60	1400	4000	60	1.250	0.163	125	0.0110	W46
R3047TC24K *	2400	2400	3047	50000	12.5 x 10 ⁶	60	2100	4000	60	1.580	0.170	125	0.0080	W14
R3047TC24M *	2400	2400	3047	50000	12.5 x 10 ⁶	70	2100	4000	60	1.580	0.170	125	0.0080	W14
R3047TC24N *	2400	2400	3047	50000	12.5 x 10 ⁶	100	2100	4000	60	1.580	0.170	125	0.0080	W14
R3047TC28K *	2800	2800	3047	50000	12.5 x 10 ⁶	60	2100	4000	60	1.580	0.170	125	0.0080	W14
R3047TC28M *	2800	2800	3047	50000	12.5 x 10 ⁶	70	2100	4000	60	1.580	0.170	125	0.0080	W14
R3047TC28N *	2800	2800	3047	50000	12.5 x 10 ⁶	100	2100	4000	60	1.580	0.170	125	0.0080	W14
R3115TJ24J #	2800	2400	3115	56000	15.68 x 10 ⁶	50	3350	2000	60	1.884	0.120	125	0.0080	W81
R3115TJ24K #	2800	2400	3115	56000	15.68 x 10 ⁶	60	3350	2000	60	1.884	0.120	125	0.0080	W81
R3115TJ28J #	2800	2800	3115	56000	15.68 x 10 ⁶	50	3350	2000	60	1.884	0.120	125	0.0080	W81
R3115TJ28K #	2800	2800	3115	56000	15.68 x 10 ⁶	60	3350	2000	60	1.884	0.120	125	0.0080	W81
R3370ZC12C	1200	1200	3370	43900	9.64 x 10 ⁶	15	600	4000	60	1.353	0.064	125	0.0110	W13
R3370ZC12D	1200	1200	3370	43900	9.64 x 10 ⁶	20	600	4000	60	1.353	0.064	125	0.0110	W13
R3370ZC12E	1200	1200	3370	43900	9.64 x 10 ⁶	25	600	4000	60	1.353	0.064	125	0.0110	W13
R3559TC20K *	2000	2000	3559	38900	7.57 x 10 ⁶	60	1750	4000	60	1.173	0.155	125	0.0080	W14
R3559TC20M *	2000	2000	3559	38900	7.57 x 10 ⁶	70	1750	4000	60	1.173	0.155	125	0.0080	W14
R3559TC20N *	2000	2000	3559	38900	7.57 x 10 ⁶	100	1750	4000	60	1.173	0.155	125	0.0080	W14
R3636EC20K *	2000	2000	3636	38900	7.57 x 10 ⁶	60	1750	4000	60	1.173	0.155	125	0.0075	W55
R3636EC20M *	2000	2000	3636	38900	7.57 x 10 ⁶	70	1750	4000	60	1.173	0.155	125	0.0075	W55
R3636EC20N *	2000	2000	3636	38900	7.57 x 10 ⁶	100	1750	4000	60	1.173	0.155	125	0.0075	W55
R3708FC45V *	4500	3000	3708	50000	12.5 x 10 ⁶	250	8800	4000	60	1.473	0.156	125	0.0065	W15
R3708FC45W *	4500	3000	3708	50000	12.5 x 10 ⁶	300	8800	4000	60	1.473	0.156	125	0.0065	W15
R3968FC24K *	2400	2400	4001	66000	21.78 x 10 ⁶	60	2600	4000	60	1.453	0.125	125	0.0065	W15
R3968FC24M *	2400	2400	4001	66000	21.78 x 10 ⁶	70	2600	4000	60	1.453	0.125	125	0.0065	W15
R3968FC24N *	2400	2400	4001	66000	21.78 x 10 ⁶	100	2600	4000	60	1.453	0.125	125	0.0065	W15
R3968FC28K *	2800	2800	4001	66000	21.78 x 10 ⁶	60	2600	4000	60	1.453	0.125	125	0.0065	W15
R3968FC28M *	2800	2800	4001	66000	21.78 x 10 ⁶	70	2600	4000	60	1.453	0.125	125	0.0065	W15
R3968FC28N *	2800	2800	4001	66000	21.78 x 10 ⁶	100	2600	4000	60	1.453	0.125	125	0.0065	W15
R5370EA18J #	1800	1800	5370	70000	24.5 x 10 ⁶	50	3000	1000	60	1.661	0.071	125	0.0050	W107
R5370EA18K #	1800	1800	5370	70000	24.5 x 10 ⁶	60	3000	1000	60	1.661	0.071	125	0.0050	W107
R5370EA22J #	2200	2200	5370	70000	24.5 x 10 ⁶	50	3000	1000	60	1.661	0.071	125	0.0050	W107
R5370EA22K #	2200	2200	5370	70000	24.5 x 10 ⁶	60	3000	1000	60	1.661	0.071	125	0.0050	W107

Outlines

W10 – 101A216  Top view: $\phi 58.5$ MAX. $\phi 3.6/3.5 \times 1.8$ MIN. DEPTH 2-HOLES, ONE IN CATHODE AND ONE IN ANODE. $20^\circ \pm 5^\circ$. 4.75 BLADE CONNECTOR. Side view: COMPRESSED HEIGHT 27.0, 25.4. 0.8 MIN. $\phi 34 \pm 0.1$. GATE TERMINAL USE AMP RECEPTACLE 60598-1 (NOTE 1.). CREEP PATH OVER CONVOLUTION = 25.4 MIN.	W11 – 101A223  Top view: $\phi 74$ MAX. $\phi 3.6/3.5 \times 2.3$ MIN. DEPTH 2-HOLES, ONE IN CATHODE AND ONE IN ANODE. $20^\circ \pm 5^\circ$. 4.75 BLADE CONNECTOR. Side view: COMPRESSED HEIGHT 27.7, 25.9. 0.8 MIN. $\phi 47 \pm 0.1$. GATE TERMINAL USE AMP RECEPTACLE 60598-1 (NOTE 1.). CREEP PATH OVER CONVOLUTION = 25.4 MIN.
W13 – 101A281  Top view: $\phi 110.5$ MAX. $\phi 3.6/3.5 \times 3$ MIN. DEPTH 2-HOLES, ONE IN CATHODE AND ONE IN ANODE. $20^\circ \pm 5^\circ$. 4.75 BLADE CONNECTOR. Side view: COMPRESSED HEIGHT 37.65/36. 0.8 MIN. $\phi 73.1 \pm 0.1$. GATE TERMINAL USE AMP RECEPTACLE 60598-1 (NOTE 1.). CREEP PATH OVER CONVOLUTIONS = 41.5 MIN.	W14 – 101A325  Top view: $\phi 112$ MAX. $\phi 3.6/3.5 \times 2$ MIN. DEPTH 2-HOLES, ONE IN CATHODE & ONE IN ANODE. $20^\circ \pm 5^\circ$. 4.75 BLADE CONNECTOR. Side view: COMPRESSED HEIGHT 26.6 ± 0.5. 0.8 MIN. $\phi 75 \pm 0.1$. GATE TERMINAL USE AMP RECEPTACLE 60598-1 (NOTE 1.). CREEP PATH OVER CONVOLUTIONS = 33.5 MIN.
W15 – 101A322  Top view: $\phi 144$ MAX. $\phi 3.6/3.5 \times 3$ MIN. DEPTH 2-HOLES, ONE IN CATHODE & ONE IN ANODE. $20^\circ \pm 5^\circ$. 4.75 BLADE CONNECTOR. Side view: COMPRESSED HEIGHT 36.5/35. 1 MIN. $\phi 99.3 \pm 0.1$. GATE TERMINAL USE AMP RECEPTACLE 60598-1 (NOTE 1.). CREEP PATH OVER CONVOLUTIONS = 41.6 MIN.	W46 – 101A305  Top view: $\phi 110.5$ MAX. $\phi 3.6/3.5 \times 3$ MIN. DEPTH 2-HOLES, ONE IN CATHODE AND ONE IN ANODE. $20^\circ \pm 5^\circ$. 4.75 BLADE CONNECTOR. Side view: COMPRESSED HEIGHT 26 ± 1. 0.8 MIN. $\phi 73.1 \pm 0.1$. GATE TERMINAL USE AMP RECEPTACLE 60598-1 (NOTE 1.). CREEP PATH OVER CONVOLUTIONS = 25.4 MIN.

Outlines

W48 – 101A347 	W51 – 101A334 
W55 – 101A352 	W58 – 101A237 
W70 – 101A357 	W107 – 101A411 

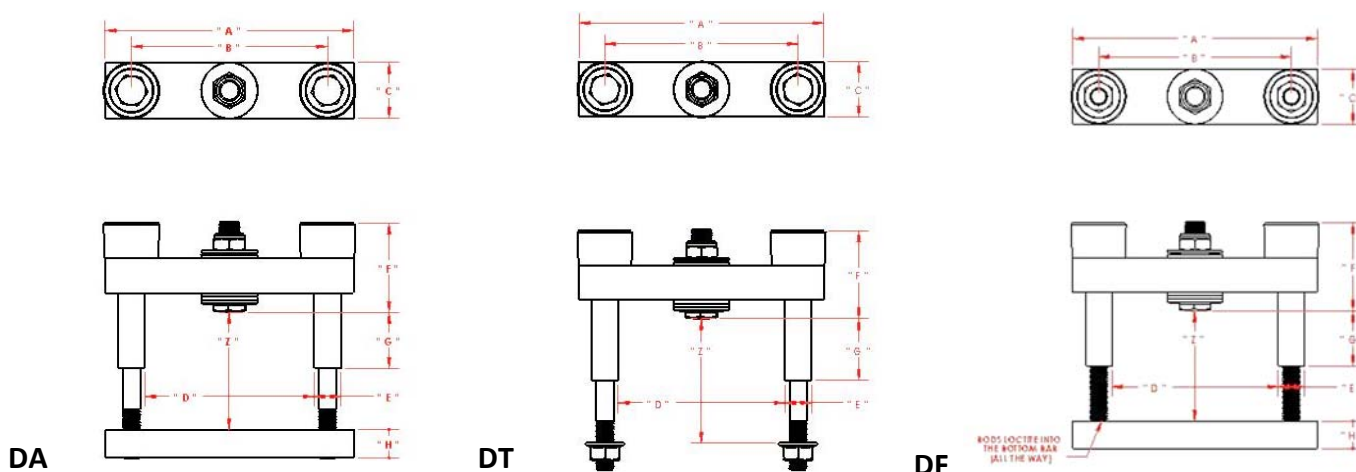


Recommended clamps for Distributed gate thyristors

IXYS UK offers a diverse range of clamping option for its semiconductors. The clamps listed below are selected as ideal choices to complement each phase control thyristor based on its outline dimensions' and recommended clamped pressure range

Housing code	Drawing number	Electrode diameter (mm)	Max. capsule height (mm)	Recommended clamp	Figure
YC	W58	25.1	15.1	XSK0900D#042Mxxx	A
LC	W10	34	27	XSK1500D#065Mxxx	A
NC	W11	47	27.7	XSK2200D#075Mxxx	A
MC	W70	50	26.3	XSK3000D#087Mxxx	A
HA	W79	66	26.5	XSK3800DA116Mxxx	B
ZC	W13	73.1	37.65	XSK3800DA116Mxxx	B
ZD	W46	73.1	27	XSK3800DA116Mxxx	B
TC	W14	75	27.1	XK7000DA128ML	C
TD	W51	75	35.5	XK7000DA128ML	C
TJ	W81	75	26.5	XK7000DA128ML	C
EA	W107	85	26	XK9000D/SA160M	D
EC	W55	85.1	26.5	XK7000DA128ML	C
FC	W15	99.3	36.5	XK9000D/SA160M	D
FD	W48	99.3	26	XK9000D/SA160M	D

Figure A



Part #'s	A	B	C	D	E	F	G	H	" Z " min	" Z " max	Bolt Type
XSK 0900 xx 042 M 025	69.85	54.00	15.88	45.00	8.64	32.00	14.98	12.70	19.05	25.40	M6
XSK 0900 xx 042 M 031	69.85	54.00	15.88	45.00	8.64	32.00	14.98	12.70	25.40	31.75	M6
XSK 0900 xx 042 M 038	69.85	54.00	15.88	45.00	8.64	32.00	19.81	12.70	31.75	38.10	M6
XSK 0900 xx 042 M 044	69.85	54.00	15.88	45.00	8.64	32.00	21.84	12.70	38.10	44.45	M6
XSK 0900 xx 042 M 050	69.85	54.00	15.88	45.00	8.64	32.00	24.89	12.70	44.45	50.80	M6
XSK 0900 xx 042 M 057	69.85	54.00	15.88	45.00	8.64	32.00	29.97	12.70	50.80	57.15	M6
XSK 0900 xx 042 M 063	69.85	54.00	15.88	45.00	8.64	32.00	32.00	12.70	57.15	63.50	M6
XSK 0900 xx 042 M 069	69.85	54.00	15.88	45.00	8.64	32.00	34.79	12.70	63.50	69.85	M6
XSK 0900 xx 042 M 076	69.85	54.00	15.88	45.00	8.64	32.00	39.87	12.70	69.85	76.20	M6

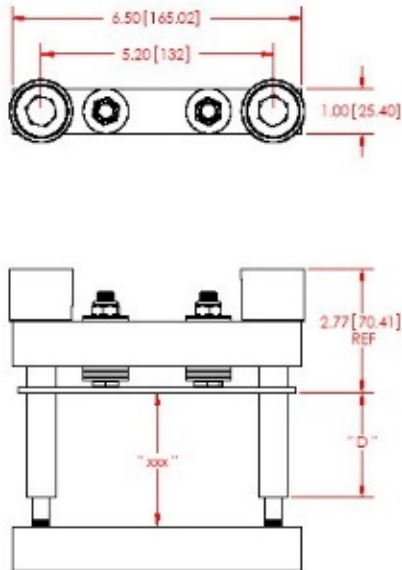
Part #'s	A	B	C	D	E	F	G	H	" Z " min	" Z " max	Bolt Type
XSK 1500 xx 065 M 038	104.39	79.00	25.40	65.00	12.19	48.48	25.65	12.70	31.75	38.10	M8
XSK 1500 xx 065 M 044	104.39	79.00	25.40	65.00	12.19	48.48	28.70	12.70	38.10	44.45	M8
XSK 1500 xx 065 M 057	104.39	79.00	25.40	65.00	12.19	48.48	35.81	12.70	50.80	57.15	M8
XSK 1500 xx 065 M 063	104.39	79.00	25.40	65.00	12.19	48.48	38.60	12.70	57.15	63.50	M8
XSK 1500 xx 065 M 076	104.39	79.00	25.40	65.00	12.19	48.48	43.68	12.70	69.85	76.20	M8
XSK 1500 xx 065 M 082	104.39	79.00	25.40	65.00	12.19	48.48	46.73	12.70	76.20	82.55	M8
XSK 1500 xx 065 M 088	104.39	79.00	25.40	65.00	12.19	48.48	49.78	12.70	82.55	88.90	M8
XSK 1500 xx 065 M 095	104.39	79.00	25.40	65.00	12.19	48.48	52.57	12.70	88.90	95.25	M8
XSK 1500 xx 065 M 101	104.39	79.00	25.40	65.00	12.19	48.48	55.62	12.70	95.25	101.60	M8
XSK 1500 xx 065 M 107	104.39	79.00	25.40	65.00	12.19	48.48	58.67	12.70	101.60	107.95	M8
XSK 1500 xx 065 M 114	104.39	79.00	25.40	65.00	12.19	48.48	61.72	12.70	107.95	114.30	M8
XSK 1500 xx 065 M 120	104.39	79.00	25.40	65.00	12.19	48.48	64.77	12.70	114.30	120.65	M8

Part #'s	A	B	C	D	E	F	G	H	" Z " min	" Z " max	Bolt Type
XSK 2200 xx 075 M 038	112.78	89.00	25.40	75.00	12.19	37.37	24.63	12.70	31.75	38.10	M8
XSK 2200 xx 075 M 044	112.78	89.00	25.40	75.00	12.19	37.37	27.68	12.70	38.10	44.45	M8
XSK 2200 xx 075 M 057	112.78	89.00	25.40	75.00	12.19	37.37	33.52	12.70	50.80	57.15	M8
XSK 2200 xx 075 M 063	112.78	89.00	25.40	75.00	12.19	37.37	36.57	12.70	57.15	63.50	M8
XSK 2200 xx 075 M 076	112.78	89.00	25.40	75.00	12.19	37.37	41.65	12.70	69.85	76.20	M8
XSK 2200 xx 075 M 082	112.78	89.00	25.40	75.00	12.19	37.37	45.72	12.70	76.20	82.55	M8
XSK 2200 xx 075 M 088	112.78	89.00	25.40	75.00	12.19	37.37	48.51	12.70	82.55	88.90	M8
XSK 2200 xx 075 M 095	112.78	89.00	25.40	75.00	12.19	37.37	51.56	12.70	88.90	95.25	M8
XSK 2200 xx 075 M 101	112.78	89.00	25.40	75.00	12.19	37.37	54.61	12.70	95.25	101.60	M8
XSK 2200 xx 075 M 107	112.78	89.00	25.40	75.00	12.19	37.37	57.65	12.70	101.60	107.95	M8
XSK 2200 xx 075 M 114	112.78	89.00	25.40	75.00	12.19	37.37	60.70	12.70	107.95	114.30	M8
XSK 2200 xx 075 M 120	112.78	89.00	25.40	75.00	12.19	37.37	63.75	12.70	114.30	120.65	M8

Part #'s	A	B	C	D	E	F	G	H	" Z " min	" Z " max	Bolt Type
XSK 3000 xx 087 M 038	127.00	102.00	25.40	87.00	12.18	35.79	24.63	19.05	31.75	38.10	M8
XSK 3000 xx 087 M 044	127.00	102.00	25.40	87.00	12.18	35.79	27.43	19.05	38.10	44.45	M8
XSK 3000 xx 087 M 057	127.00	102.00	25.40	87.00	12.18	35.79	33.52	19.05	50.80	57.15	M8
XSK 3000 xx 087 M 063	127.00	102.00	25.40	87.00	12.18	35.79	37.59	19.05	57.15	63.50	M8
XSK 3000 xx 087 M 076	127.00	102.00	25.40	87.00	12.18	35.79	43.43	19.05	69.85	76.20	M8
XSK 3000 xx 087 M 082	127.00	102.00	25.40	87.00	12.18	35.79	46.48	19.05	76.20	82.55	M8
XSK 3000 xx 087 M 088	127.00	102.00	25.40	87.00	12.18	35.79	49.53	19.05	82.55	88.90	M8
XSK 3000 xx 087 M 095	127.00	102.00	25.40	87.00	12.18	35.79	52.57	19.05	88.90	95.25	M8
XSK 3000 xx 087 M 101	127.00	102.00	25.40	87.00	12.18	35.79	55.62	19.05	95.25	101.60	M8
XSK 3000 xx 087 M 107	127.00	102.00	25.40	87.00	12.18	35.79	58.42	19.05	101.60	107.95	M8
XSK 3000 xx 087 M 114	127.00	102.00	25.40	87.00	12.18	35.79	61.46	19.05	107.95	114.30	M8
XSK 3000 xx 087 M 120	127.00	102.00	25.40	87.00	12.18	35.79	64.51	19.05	114.30	120.65	M8

Other sizes available on request, please contact factory

Figure B



Notes:

1. DIMENSIONS IN INCHES [MILLIMETERS].
2. " Z " DIMENSION CAN BE CHANGED AS PER REQUIREMENT.
3. " D " DIMENSION CAN BE CHANGED AS PER REQUIREMENT.

Figure C

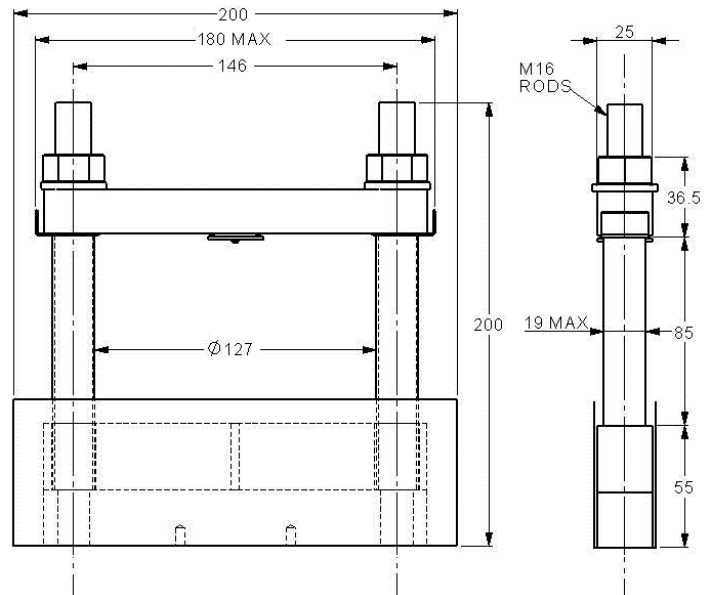
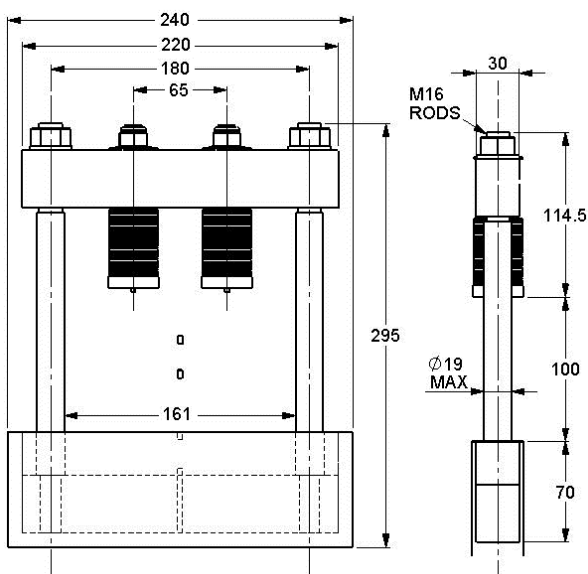
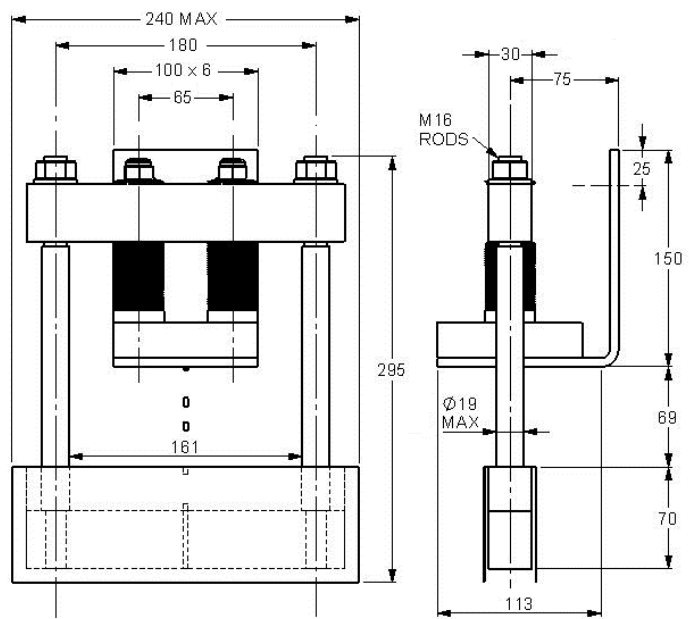


Figure D



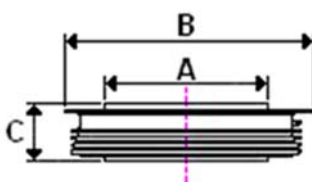
SA



DA

Other accessories and lead sets

Part No.	Accessory			
XSGSCX13	Press Pack Semiconductor Mounting Grease (1kg tub)			
XST1000M08P	M8 PTFE tube x 1m length insulation			
XST1000M10P	M10 PTFE tube x 1m length insulation			
XST1000M12P	M12 PTFE tube x 1m length insulation			
XST1000M16P	M16 PTFE tube x 1m length insulation			
Insulator capsules		Dimension		
		A	B	C
		mm	mm	mm
L0001YC450XXX	30mm diameter poleface Insulator Capsule	30	42	15.1
L0001QC450XXX	43mm diameter poleface Insulator Capsule	38	58.5	14.5
L0001MC450XXX	56mm diameter poleface Insulator Capsule	47	74	27.7
L0001HC450XXX	68mm diameter poleface Insulator Capsule	68	100	14.5
L0001TC450XXX	87mm diameter poleface Insulator Capsule	73.1	110.5	35
L0001FC450XXX	100mm diameter poleface Insulator Capsule	75	112	26.6



Part No.	Lead dimension and termination	Device type
XSL220C2WRT	220mm long twisted pair, Silicone sleeve cable 16/0.2, Red / White, M4 ring terminal	Thyristor
XSL300C2WRP	300mm long pair, Silicone sleeve cable 16/0.2, Red / White, M4 ring terminal	Thyristor
XSL300C2WS	300mm long gate wire, Silicone sleeve cable 16/0.2, White, M4 ring terminal	Thyristor
XSL350C2WRP	350mm long pair, Silicone sleeve cable 16/0.2, Red / White, M4 ring terminal	Thyristor
XSL400C2WRP	400mm long pair, Silicone sleeve cable 16/0.2, Red / White, M4 ring terminal	Thyristor
XSL500C2WRP	500mm long pair, Silicone sleeve cable 16/0.2, Red / White, M4 ring terminal	Thyristor
XSL600C2WRP	600mm long pair, Silicone sleeve cable 16/0.2, Red / White, M4 ring terminal	Thyristor
XSL1000C2WRP	1000mm long pair, Silicone sleeve cable 16/0.2, Red / White, M4 ring terminal	Thyristor
XSL1000C2WRT	1000mm long twisted pair, Silicone sleeve cable 16/0.2, Red / White, M4 ring terminal	Thyristor
XSL1100C2WRT	1100mm long twisted pair, Silicone sleeve cable 16/0.2, Red / White, M4 ring terminal	Thyristor



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