

Nomenclature



Stud Devices

W	0508	S	A	04	0	
W						Device type
M						Rectifier diode
N						Fast/Soft recovery diode
P						Phase control thyristor
S						Fast turn-off thyristor
						Symmetrical Gate turn-off thyristor
	0508					Device nominal current rating
		S				Device polarity
		R				Stud Anode
			A			Stud Cathode
			C			Package
			E			3/4" stud glass/metal
			F			3/4" stud ceramic
			H			3/4" HV ceramic stud with lug
			J			3/4" HV ceramic stud
			L			1/2" ceramic stud
			M			1/2" ceramic stud with flag
			R			M12 stud ceramic with lug
				04		3/8" stud ceramic
						M20 stud ceramic with lug & gate leads
						Voltage grade - V_{RRM}, $V_{DRM}/100$
					0	t_q code - See table for relevant code

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Press-pack IGBT capsule devices

T	0240	N	B	45	E	
T	0240	N	B	45	E	Device type Press-pack IGBT
		Q				Device pulse current rating
		V				Electrode diameter
		H				47mm
		T				38mm
		E				63mm
		A				66mm
		D				75mm
		G				85mm
		B				96mm
			B			110mm
			C			125mm
			D			132mm
			F			Die series
				45		Voltage grade - $V_{RRM}/100$
					A	Build description for multiple square die
					E	Reverse conducting
					G	Asymmetric
						Reverse conducting (IGBT to diode ratio of 2:1)

Capsule devices - excluding IGBT's

W	0646	W	C	15	0
W					Device type
M					Rectifier diode
F					Fast/soft recovery diode
E					Extra fast diode
N					HP Sonic-FRD™
R					Phase control thyristor
P					Distributed gate thyristor
K					Fast turn-off thyristor
A					Medium voltage thyristor
S					Asymmetric thyristor
H					Symmetrical gate turn-off thyristor
G					Fast symmetrical gate turn-off thyristor
Y					Asymmetric gate turn-off thyristor
	0646				Pulse Thyristor
	*				Device nominal current rating
					For devices exceeding 9999 Amperes, digit 5 of the part number changes to C (x100)
		W			Electrode diameter
		Y			19mm
		K			25mm
		J			29mm
		L			32mm
		Q			34mm
		D			38mm
		N			44mm
		M			47mm
		V			50mm
		H			63mm
		Z			66mm/68mm
		T			73mm
		E			75mm
		F			85mm
		G			99mm
					125mm
			A		Housing type (electrode diameter in brackets)
			B		26mm reverse build
			C		8mm (D)
			D		Standard outline - 14mm (W, Y), 16mm (K), 26mm (L, Q, M, T, E, H), 26.5mm (N), 33mm (V), 36mm (F, G), 37mm (Z)
			E		21mm (N), 24mm (V, Z), 26mm (F, G)
			F		35mm inverse build (T, M, Q, E)
			G		19.5mm (L), 26mm (K, N, V), 35mm (Z), 35mm (6.5kV Sonic Diodes)
			H		35mm (L, N)
			J		14mm (N), 26mm (Y)
			K		19.5mm (N), 25.8mm (V), 26mm (T)
			L		Wespack 14.5mm (J, Q, M, H, N)
			M		Wespack 26mm (Q, M, H)
			N		Wespack 33mm (H)
			R		14mm (W, Y), 26mm (L)
					Wespack 14mm (Q), 26mm (N)
				15	Voltage grade - V_{RRM}, $V_{DRM}/100$
					Special code
				0	t_i code (thyristors), V_{RRM} % of V_{DRM} for Gate turn-off thyristors - See relevant tables
				P	PIN diode (Product groups: W, M, F, E)
				A	Avalanche rated diode (W)

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t _q Code							
0	No code	F	30	M	70	V	250
A	10	G	35	N	100	W	300
B	12	H	40	P	120	X	400
C	15	J	50	R	140	Y	500
D	20	K	60	S	160	Z	1000
E	25	L	65	T	200		

V _{RRM} % of V _{DRM} for GTO's (S & H types only)	
0	100
D	80
Y	100V

Stud devices

All IXYS UK stud devices are available with or without leads, sleeving and nuts and washers
When ordering a stud based device, please add one of the following three-letter codes to the part number
000 – Ledged stud, no sleeving, no nuts and washers supplied (Default option)
S0L - Ledged stud, with standard* sleeving, nuts and washers supplied loose
00L - Ledged stud, no sleeving, nuts and washers supplied loose
NLL - Non-ledged stud, nuts and washers supplied loose
S0F - Ledged stud, with standard* sleeving, nuts and washers fitted
00F - Ledged stud, no sleeving, nuts and washers fitted
NLF - Non-ledged stud, nuts and washers fitted
S00 - Ledged stud, with standard* sleeving, no nuts and washers supplied
NLS - Non-ledged stud, no sleeving, no nuts and washers supplied
* - Standard sleeving means the followings Red for all thyristor studs Blue for 'S' polarity diodes Red for 'R' polarity diodes



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