Nomenclature



Stud Devices

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

Press-pack IGBT capsule devices

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

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Capsule devices - excluding IGBT's

w	0646	w	С	15	0	
٧٧	0040	VV	C	13	U	Device type
W						Rectifier diode
М						Fast/soft recovery diode
F						Extra fast diode
E						HP Sonic-FRD™
N						Phase control thyristor
R						Distributed gate thyristor
P						Fast turn-off thyristor
K						Medium voltage thyristor
						Asymmetric thyristor
A						
S						Symmetrical gate turn-off thyristor
Н						Fast symmetrical gate turn-off thyristor
G						Asymmetric gate turn-off thyristor
Υ						Pulse Thyristor
	0646					Device nominal current rating
	*					For devices exceeding 9999 Amperes, digit 5 of the part number changes to C (x100)
						Electrode diameter
		W				19mm
		Υ				25mm
		K				29mm
		J				32mm
		L				34mm
		Q				38mm
		D				44mm
		N				47mm
		М				50mm
		V				63mm
		Н				66mm/68mm
		Z				73mm
		Т				75mm
		E				85mm
		F				99mm
		G				125mm
						Housing type (electrode diameter in brackets)
			Α			26mm reverse build
			В			8mm (D)
			С			Standard outline - 14mm (W, Y), 16mm (K), 26mm (L, Q, M, T, E, H), 26.5mm (N), 33mm (V), 36mm (F, G), 37mm (Z)
			D			21mm (N), 24mm (V, Z), 26mm (F, G)
			Е			35mm inverse build (T, M, Q, E)
			F			19.5mm (L), 26mm (K, N, V), 35mm (Z), 35mm (6.5kV Sonic Diodes)
			G			35mm (L, N)
			Н			14mm (N), 26mm (Y)
			J			19.5mm (N), 25.8mm (V), 26mm (T)
			K			Wespack 14.5mm (J, Q, M, H, N)
			L			Wespack 26mm (Q, M, H)
			М			Wespack 33mm (H)
			Ν			14mm (W, Y), 26mm (L)
			R			Wespack 14mm (Q), 26mm (N)
				15		Voltage grade - V _{RRM} , V _{DRM} /100
						Special code
					0	t_q code (thyristors), V_{RRM} % of V_{DRM} for Gate turn-off thyristors - See relevant tables
					Р	PIN diode (Product groups: W, M, F, E)
					Α	Avalanche rated diode (W)
						1

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	t _q Code						
0	No code	F	30	М	70	٧	250
Α	10	G	35	N	100	W	300
В	12	Н	40	Р	120	Х	400
С	15	J	50	R	140	Υ	500
D	20	K	60	S	160	Z	1000
E	25	L	65	Т	200		

V_{RRM} % of V_{DRM} for GTO's (S & H types only)				
0	100			
D	80			
Υ	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 – Leaded stud, no sleeving, no nuts and washers supplied (Default option)
S0L - Leaded stud, with standard* sleeving, nuts and washers supplied loose
00L - Leaded stud, no sleeving, nuts and washers supplied loose
NLL - Non-leaded stud, nuts and washers supplied loose
S0F - Leaded stud, with standard* sleeving, nuts and washers fitted
DOF - Leaded stud, no sleeving, nuts and washers fitted
NLF - Non-leaded stud, nuts and washers fitted
S00 - Leaded stud, with standard* sleeving, no nuts and washers supplied
NLS - Non-leaded 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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