

Nomenclature



IXYS
A Littelfuse Technology

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
	0508					Symmetrical Gate turn-off thyristor
						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 Q V H T E A D G B	B C D F	45	E	<p>Device type Press-pack IGBT</p> <p>Device pulse current rating</p> <p>Electrode diameter 47mm 38mm 63mm 66mm 75mm 85mm 96mm 110mm 125mm 132mm</p> <p>Die series</p> <p>Voltage grade - $V_{RRM}/100$</p> <p>Build description for multiple square die A Reverse conducting E Asymmetric G Reverse conducting (IGBT to diode ratio of 2:1)</p>

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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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