

DIODE & THYRISTORS

HIGH VOLTAGE IN STUD DESIGN

KEY FEATURES

- ◆ Hermetic metal cases with ceramic insulator
- ◆ Pressure contact design
- ◆ Threaded studs of ISO
- ◆ Easy mounting



Thyristors

Type	V_{DRM}, V_{RRM}	$I_{T(AV)}$	I_{TSM}	$V_{T(TO)}$	r_T	$(di_T/dt)_{cr}$	$(dv_D/dt)_{cr}$	t_q	$R_{th(j-c)}$	T_{Jmax}	M_D
		($T_C, ^\circ C$)	$t_p=10ms$	T_{Jmax}	T_{Jmax}	T_{Jmax}	T_{Jmax}	T_{Jmax}			
	V	A	kA	V	$m\Omega$	A/ μs	V/ μs	μs	$^\circ C/W$	$^\circ C$	Nm
T361-160	2400-2600	160(80)	3.5	1.415	1.29	125	500-1000	160-250	0.145	125	20-30
T371-250	2400-2600	250(94)	7	0.930	0.73	250	200-1000	160-250	0.090	125	25-35
T371-320	2000-2200	320(82)	8	1.050	0.68	320	200-1000	160-250	0.085	125	25-35
T471-200	4000-4400	200(80)	4	1.850	1.24	200	500-1000	250-400	0.090	125	25-35

Diodes

Type	V_{RRM}	$I_{F(AV)}$	I_{FSM}	$V_{(TO)}$	r_T	$R_{th(j-c)}$	T_{Jmax}	M_D
		($T_C, ^\circ C$)	$t_p=10ms$	T_{Jmax}	T_{Jmax}			
	V	A	kA	V	$m\Omega$	$^\circ C/W$	$^\circ C$	Nm
D261-250*	2400-2600	250(113)	5.5	0.880	0.59	0.150	160	20-30
D271-250*	2600-3000	250(130)	5.5	1.020	0.51	0.090	160	25-35
D271-320*	2000-2600	320(123)	6.5	0.920	0.45	0.090	160	25-35
D371-250	4000-4400	250(116)	5.4	1.345	0.98	0.090	160	25-35
D172-63	5000	63(95)	0.7	1.150	4.89	0.236	125	10-20

* reverse polarity diodes are available

TYPICAL APPLICATIONS

- ◆ Traction
- ◆ Industrial drives



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