TOSHIBA 1DL42

TOSHIBA HIGH EFFICIENCY RECTIFIER (HED) SILICON EPITAXIAL JUNCTION TYPE

DL42

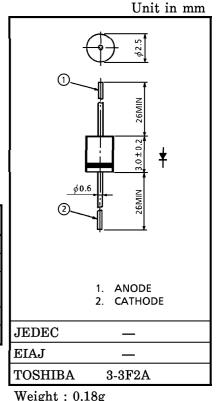
SWITCHING TYPE POWER SUPPLY APPLICATIONS

Repetitive Peak Reverse Voltage $: V_{RRM} = 200V$ $: I_{F(AV)} = 1.0A$ Average Forward Current Very Fast Reverse-Recovery Time : trr=60ns (Max.) : VFM = 0.98VLow Forward Voltage

Available to Reduce Switching Losses and Output Noise.

MAXIMUM RATINGS (Ta = 25°C)

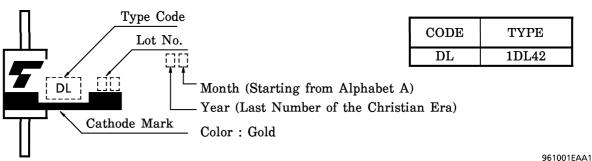
CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	v_{RRM}	200	V
Average Output Rectified Current	I _{F (AV)}	1.0	A
Peak One Cycle Surge Forward Current	I_{FSM}	10 (50Hz)	A
Junction Temperature	T_{j}	-40~150	°C
Storage Temperature Range	$T_{ m stg}$	-40~150	°C



ELECTRICAL CHARACTERISTICS (Ta = 25°C)

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CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	$ m V_{FM}$	I _{FM} =1.0A		_	0.98	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM} = 200V$	_	_	100	μ A
Reverse Recovery Time	t_{rr}	$I_F=1A$, di/dt= $-20A/\mu s$	_	_	60	ns
Forward Recovery Time	${ m t_{fr}}$	I_{F} =1.0A	_	_	100	ns

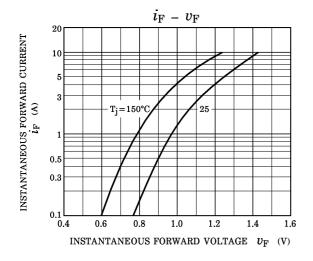
MARKING

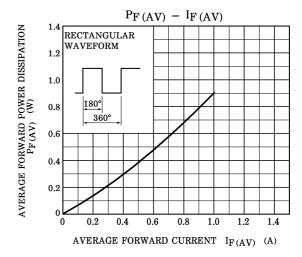


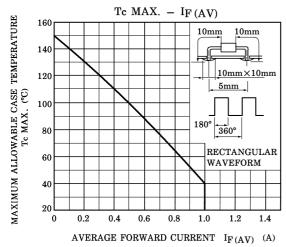
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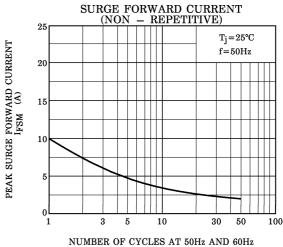
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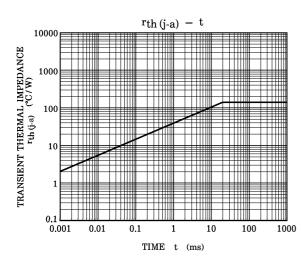
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