

1DL41A

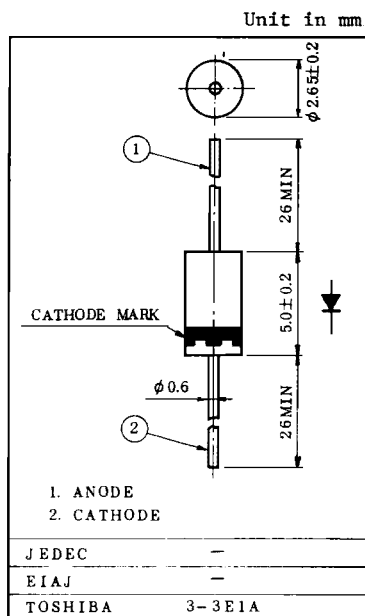
SILICON EPITAXIAL JUNCTION TYPE HIGH EFFICIENCY RECTIFIER (HED)

SWITCHING TYPE POWER SUPPLY APPLICATIONS.

- Repetitive Peak Reverse Voltage: $V_{RRM}=200V$
- Average Forward Current : $I_{F(AV)}=1.0A$ ($T_a=64^\circ C$)
- Vary Fast Reverse-Recovery Time: 35ns (Max.)
- Low Forward Voltage : $V_{FM}=0.98V$
- Available to Reduce Switching Losses and Output Noise.

MAXIMUM RATINGS ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	200	V
Average Forward Current	$I_{F(AV)}$	1.0	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	30(50Hz) 33(60Hz)	A
Junction Temperature	T_j	-40~150	$^\circ C$
Storage Temperature	T_{stg}	-40~150	$^\circ C$

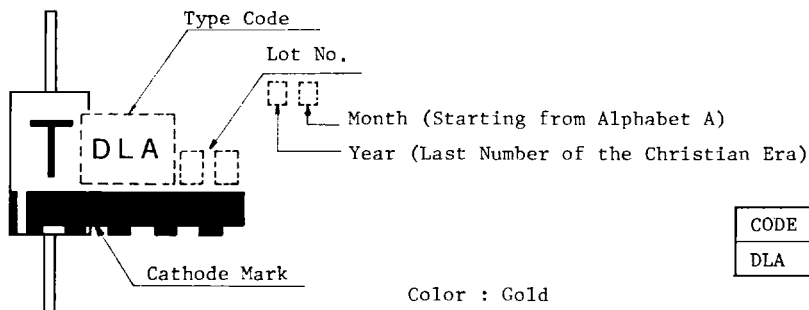


Weight: 0.225g

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ C$)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=1.0A$	-	0.98	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=200V$	-	100	μA
Reverse Recover Time	t_{rr}	$I_F=1A, di/dt=-30A/\mu s$	-	35	ns
Forward Recovery Time	t_{fr}	$I_F=1.0A$	-	100	ns
Thermal Resistance	$R_{th(j-a)}$	Junction to Ambient	-	115	$^\circ C/W$
Thermal Resistance	$R_{th(j-l)}$	Junction to Lead	-	45	$^\circ C/W$

Mark



CODE	TYPE
DLA	1DL41A

Color : Gold

