

/ Descr  12TDj-62.61 o    j2n   j2s

TO-220

Schottky Barrier Diode in a TO-220 Plastic Package.

/ Features

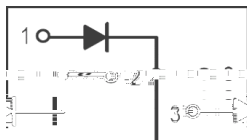
Low forward voltage drop, low power losses, High efficiency operation.

/ Ap

OR-ing

DC-DC

For use in high frequency inverters, switching power supplies, freewheeling diodes, OR-ing diode, dc-to-dc converters and reverse battery protection.

/ Equivalent -62.61 Circuit

PIN1 Anode PIN 2 Cathode PIN 3 Anode

/ h_{FE} Classifications & Marking

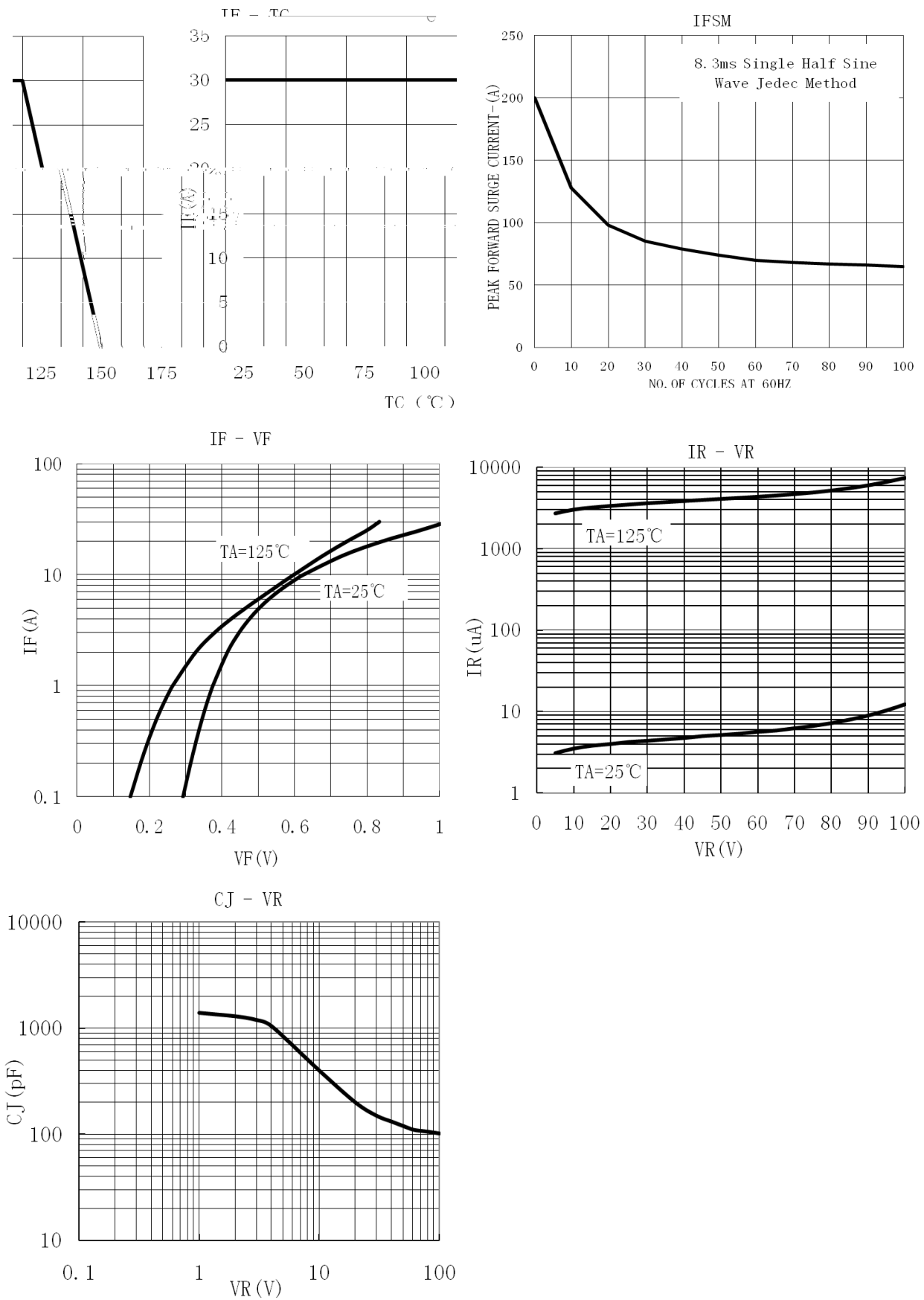
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RM} V_{RSM} V_{DC}	100	V
RMS Voltage	V_{RMS}	70	V
Average Rectified Forward Current	$I_{F(AV)}$	2×15	A
Non Repetitive Peak Surge Current	I_{FSM}	200	A
Thermal Resistance Junction to Case	$R_{\theta Jc}$	2.2	/W
Junction and Storage Temperature Range	T_j T_{stg}	-40 +150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Breakdown Voltage	V_{BR}	$I_R=1mA(T_a=25^\circ C)$	100			V
Forward Voltage	V_F	$I_F=7.5A(T_a=25^\circ C)$		0.57	0.65	V
		$I_F=7.5A(T_a=125^\circ C)$		0.52	0.60	V
		$I_F=15A(T_a=25^\circ C)$		0.73	0.80	V
		$I_F=15A(T_a=125^\circ C)$		0.62	0.68	V

 Instantaneous Reverse Current I_R

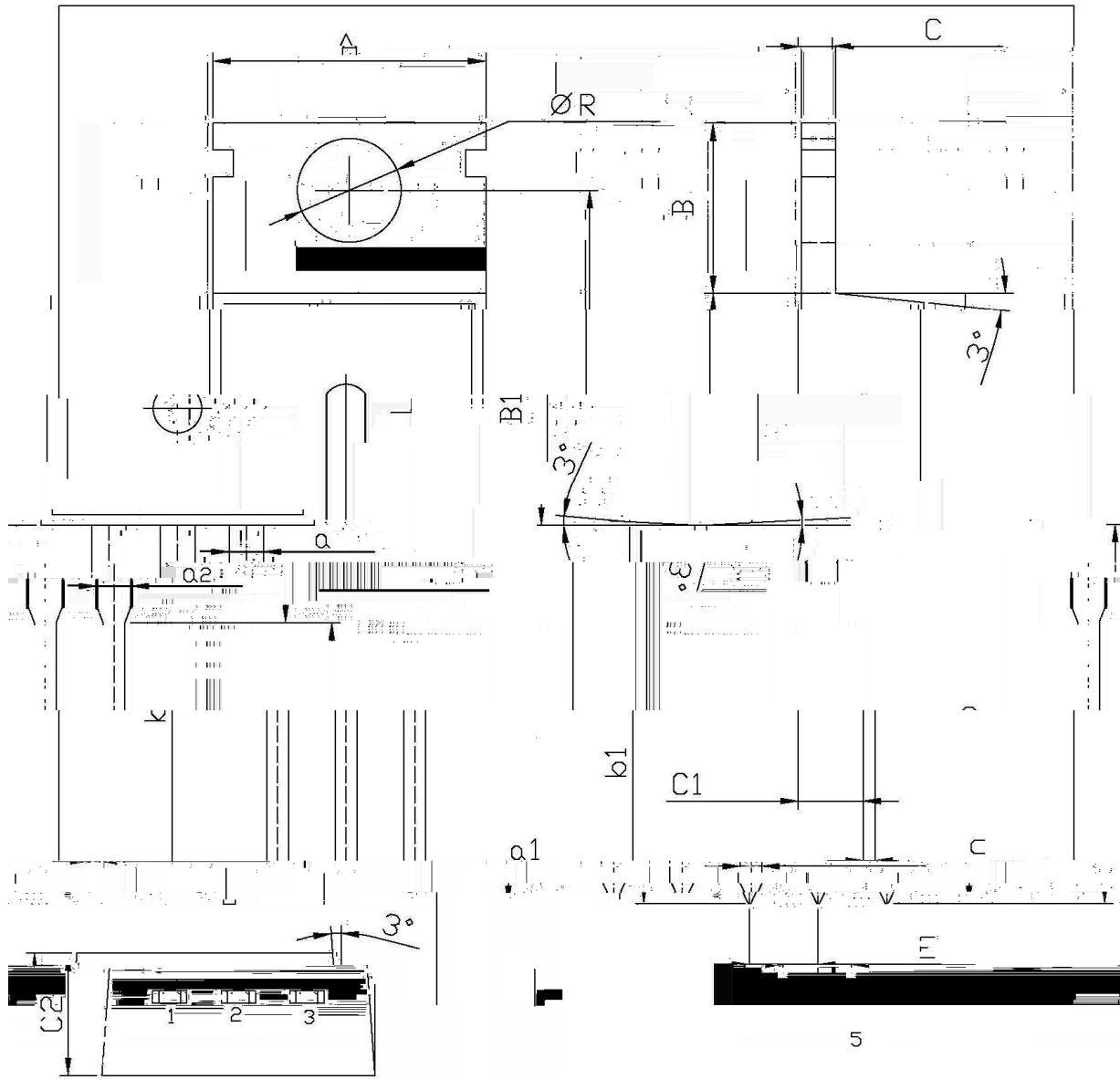
/ Electrical Characteristic Curve



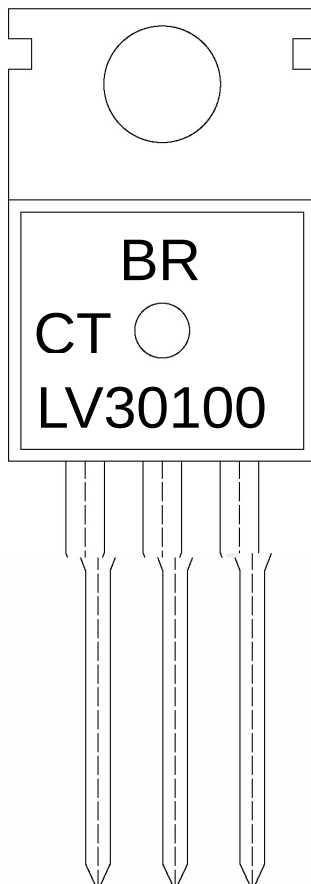
/ Package Dimensions

TQ-220

单位: mm



/ Marking Instructions



BR

LV30100

CT:

Note:

BR: Company Code

LV30100 Product Type.

CT: Internal Structure

****: Lot No. Code, code change with Lot No.

