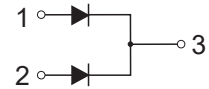
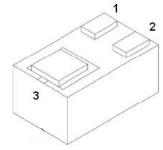


нллY ! Plastic-Encapsulate Schottky Barrier Diode π ол±
PRIMARY CHARACTERISTICS

V_{RRM}	30V
I_O	200mA
$V_F@I_F=10mA$	0.4V
$T_{J,Max}$	125°C

WBFBP-03E
PACKAGE
MARKING: L7

FEATURES

- Extremely Fast Switching Speed
- Low Forward Voltage
- Moisture Sensitivity Level 1

MECHANICAL DATA

- Case : Molded plastic, WBFBP-03E
- Polarity : Shown above
- Terminals :Plated terminals, solderable per MIL-STD-750,Method 2026
- Epoxy : UL94-V0 rated flame retardant

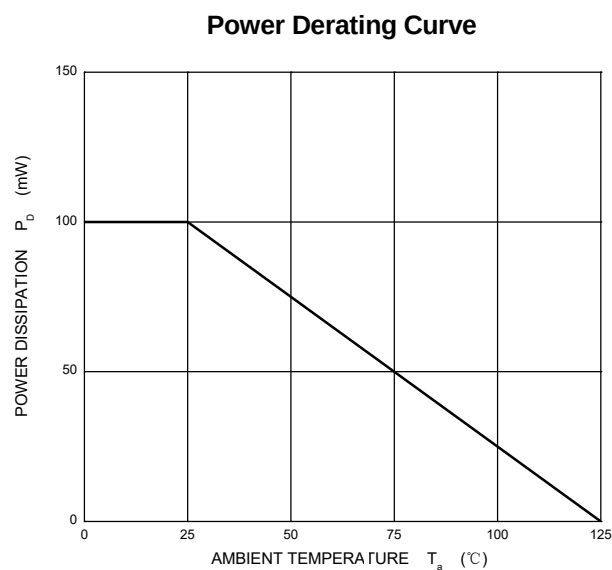
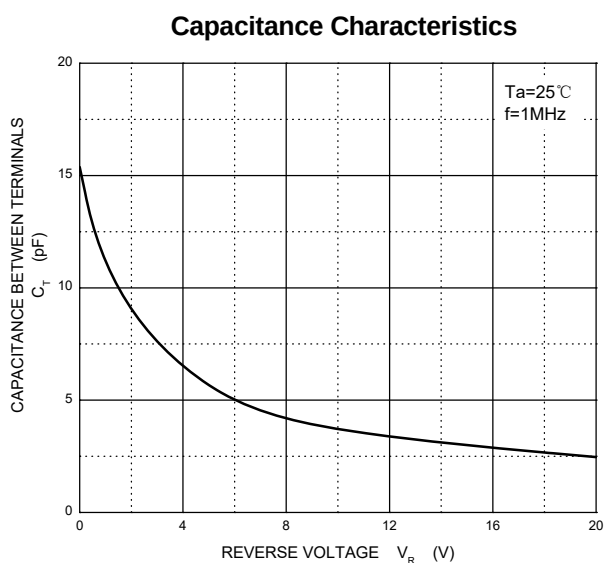
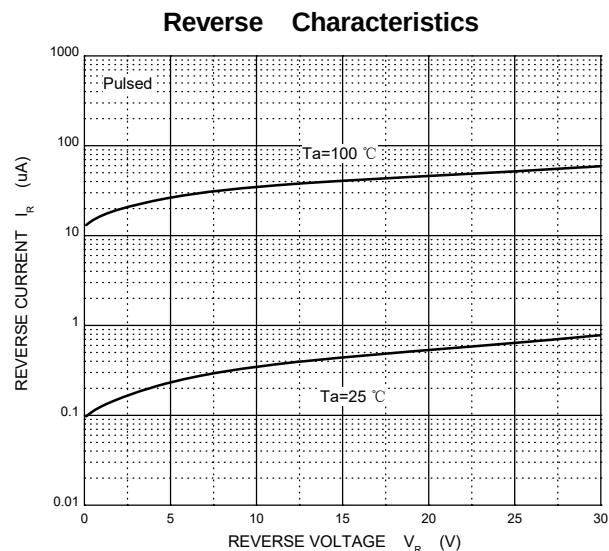
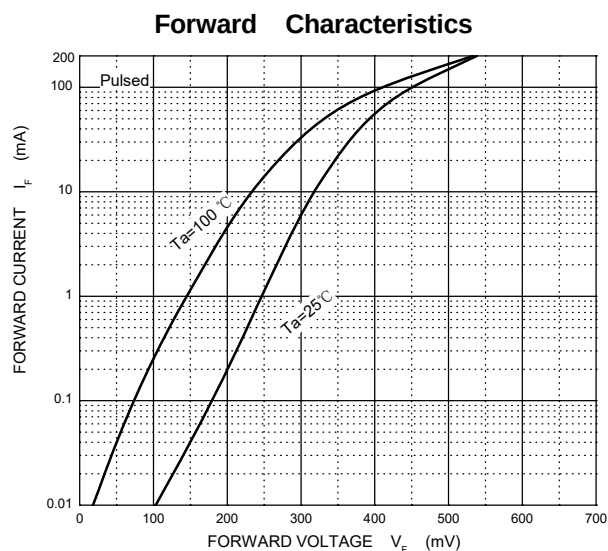
MAXIMUM RATINGS ($T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Limit	Unit
Peak Repetitive Reverse Voltage	V_{RRM}	30	V
Working Peak Reverse Voltage	V_{RWM}		
RMS Reverse Voltage	$V_{R(RMS)}$	21	V
Average Forward Current	I_O	200	mA
Non-repetitive Peak Forward Surge Current @ $t=8.3ms$	I_{FSM}	600	mA
Repetitive Peak Forward Current @ $t \leq 1s, \delta \leq 0.5$	I_{FRM}	300	mA
Power Dissipation	P_D	100	mW
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	1000	°C/W
Junction Temperature	T_J	125	°C
Storage Temperature	T_{stg}	-55~+150	°C

ELECTRICAL CHARACTERISTICS($T_a=25^\circ\text{C}$ unless otherwise specified)

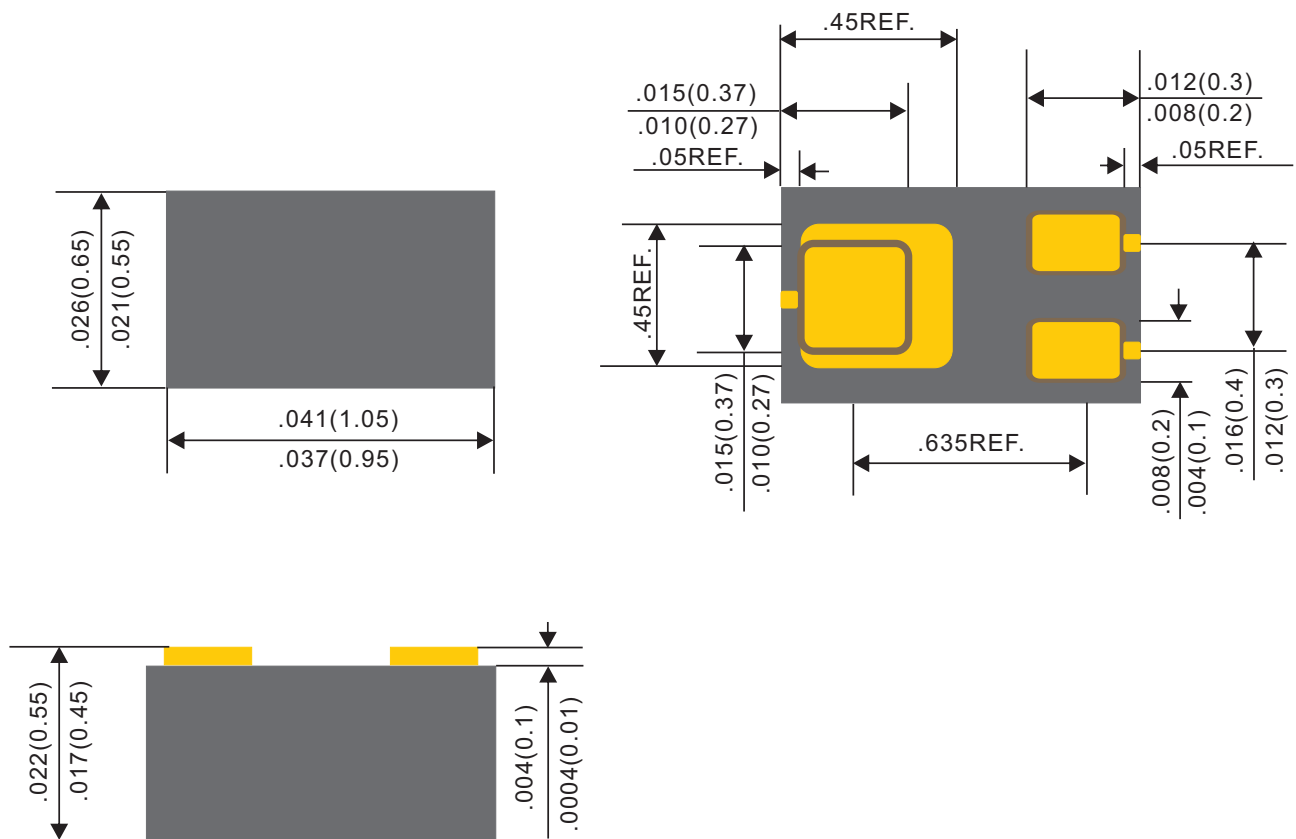
Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Reverse voltage	$V_{(BR)}$	$I_R=100\mu A$	30			V
Reverse current	I_R	$V_R=25V$			2	μA
Forward voltage	V_F	$I_F=0.1mA$			0.24	V
		$I_F=1mA$			0.32	
		$I_F=10mA$			0.4	
		$I_F=30mA$			0.5	
		$I_F=100mA$			1	
Total capacitance	C_{tot}	$V_R=1V, f=1MHz$			10	pF
Reverse recovery time	t_{rr}	$I_F=I_R=10mA, I_{R(REC)}=1mA$			5	ns

Typical Characteristics



Outline Drawing

WBFBP-03E

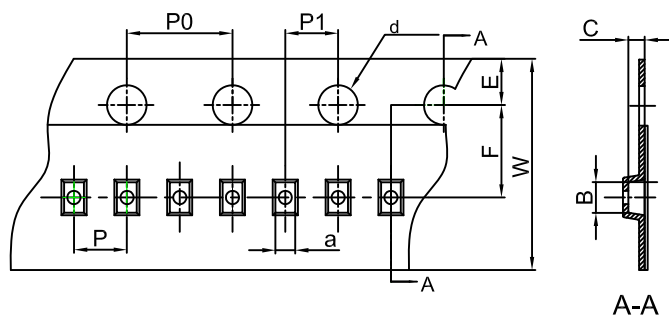


Dimensions in inches and (millimeters)

Rev.A

WBFBP-03E Tape and Reel

DFN/FBP(1.0×0.6) Embossed Carrier Tape

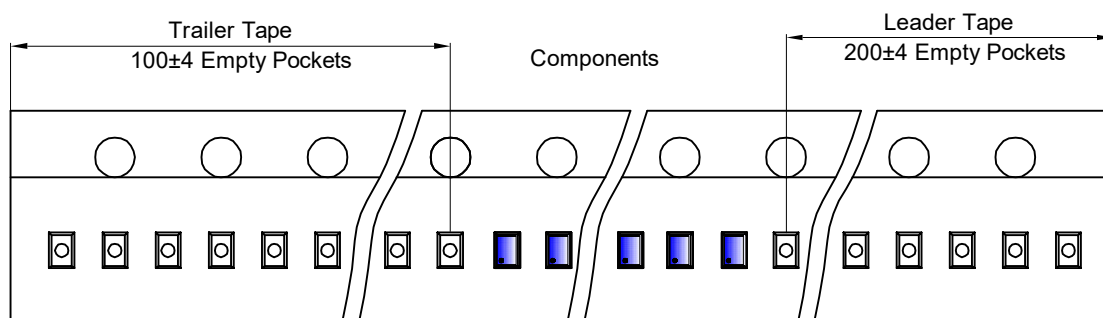


Packaging Description:

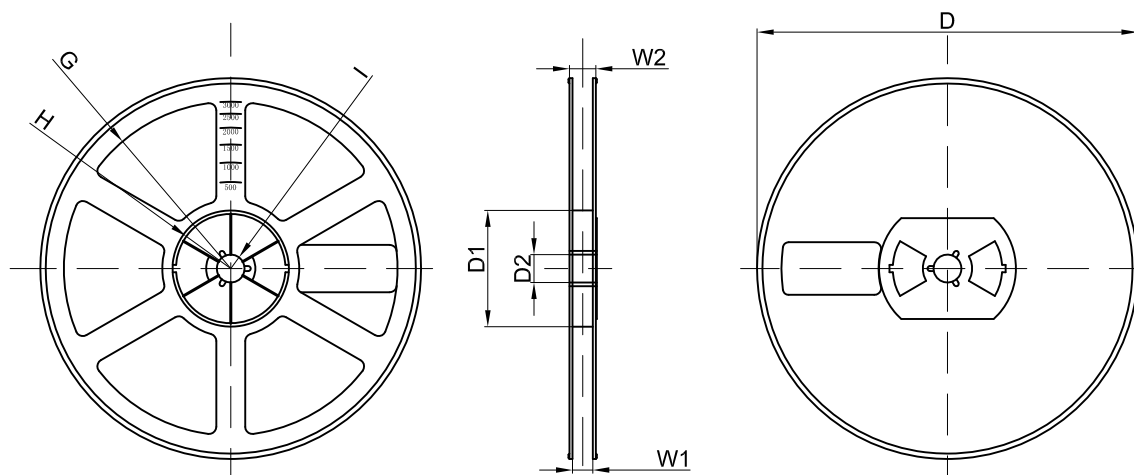
DFN/FBP(1.0×0.6) parts are shipped in tape. The carrier tape is made from a dissipative (carbon filled) polycarbonate resin. The cover tape is a multilayer film (Heat Activated Adhesive in nature) primarily composed of polyester film, adhesive layer, sealant, and anti-static sprayed agent. These reeled parts in standard option are shipped with 10,000 units per 7" or 17.8cm diameter reel. The reels are clear in color and is made of polystyrene plastic (anti-static coated).

Dimensions are in millimeter										
Pkg type	a	B	C	d	E	F	P0	P	P1	W
DFN/FBP(1.0×0.6)	0.66	1.15	0.66	Ø1.50	1.75	3.50	4.00	2.00	2.00	8.00

DFN/FBP(1.0×0.6) Tape Leader and Trailer



DFN/FBP(1.0×0.6) Reel



Dimensions are in millimeter								
Reel Option	D	D1	D2	G	H	I	W1	W2
7"Dia	Ø178.00	54.40	13.00	R78.00	R25.60	R6.50	9.50	12.30

Ordering Information:

Device PN	Packing
DS54CWB3 -T ⁽¹⁾ G ⁽²⁾ -WS ⁽³⁾	Tape&Reel: 10 Kpcs/Reel

Note: (1) Packing code, Tape & Reel Packing

(2) RoHS product for packing code suffix "G" ; Halogen free product for packing code suffix "H"

(3) WS : Willas brand abbreviation, Label Type does not display

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