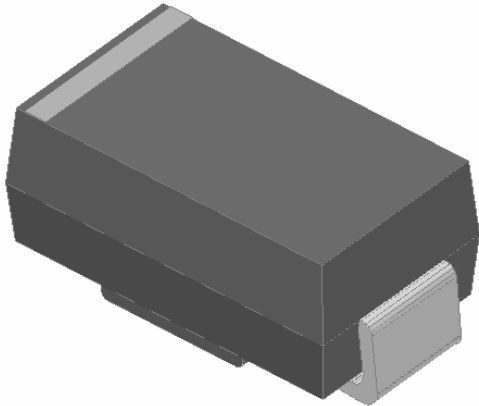




# MURS120 THRU MURS160

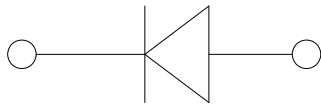
RoHS  
COMPLIANT

## Surface Mount Super Fast Recovery Rectifier



### Typical Applications

RU XVH LQ KLJK IUFDWHRQ\ RHFRZHU VXSSO  
LQYHUWHUV FRQYHUWHUV DQG IUHHZKHHO  
FRQVXPHU DQG WHOHFRPPXQLFDWLRQ



### Mechanical Data

" Package '2 \$ & 60\$  
0ROGLQJ FRPSRQ\ QG PHH\DPPELOLW\  
UDWLQJ 5R+6 FRPSOLDQW KDORJHQ IUHH  
" Terminals 7LQ SODWHG OHDGV VROGHUDEOH S  
- 67' DQG -(6' %  
" Polarity: &DWKRGH OLVKHFORWKIRGH HQG

### Maximum Ratings

PARAMETER	SYMBOL	UNIT	MURS120	MURS140	MURS160
Reverse Voltage	$V_{R}$	V	0.856	0.856	0.856
Forward Current (Continuous)	$I_{F(AV)}$	A			
Forward Current (Peak)	$I_{F(P)}$	A			
Reverse Current	$I_{R}$	μA			
Power Dissipation (Continuous)	$P_{D(AV)}$	W			
Power Dissipation (Peak)	$P_{D(P)}$	W			
Storage Temperature	$T_{STG}$	°C			
Operating Temperature	$T_{OP}$	°C			

### Electrical Characteristics

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MURS120	MURS140	MURS160
Forward Voltage	$V_{F}$	V	$I_F = 100\text{mA}$			
Reverse Leakage Current	$I_{R}$	μA	$V_R = 50\text{V}$			
Dynamic Forward Resistance	$r_{DF}$	Ω	$I_F = 100\text{mA}$			
Dynamic Reverse Resistance	$r_{DR}$	Ω	$V_R = 50\text{V}$			
Reverse Recovery Time	$t_{rr}$	ns	$I_F = 100\text{mA}$ , $V_R = 50\text{V}$			

0856 7+58 0856

---

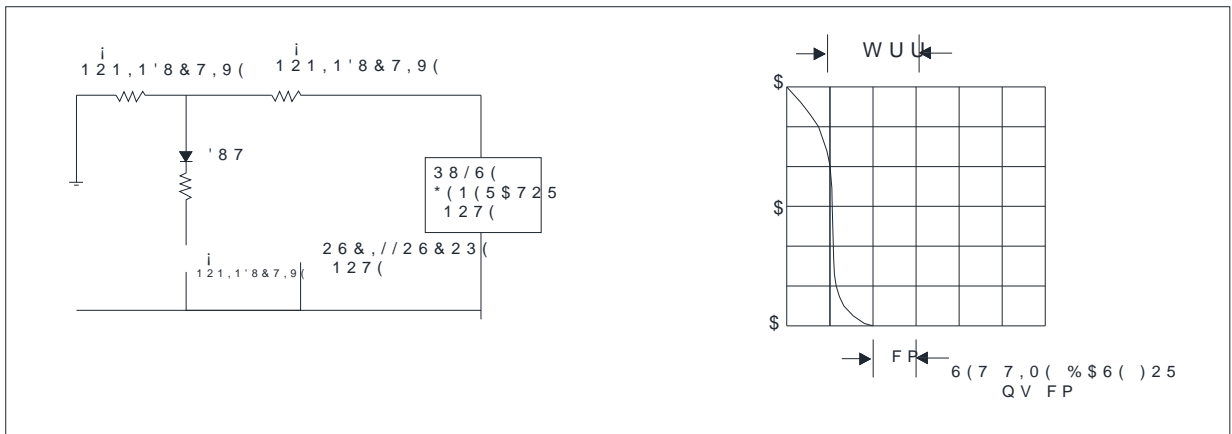
V'\QDPLF &KDUDFWHULVWLFV  
<



# MURS120 THRU MURS160

vCharacteristics 7\SLFDO

FIG.5: Diagram of circuit and Testing wave form of reverse recovery time





# MURS120 THRU MURS160

## Ordering Information ([DP SOH

PREFERRED P/N	PACKAGE CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
0856 0856	)	\$SSUR[LPDWH				
0856 0856	)	\$SSUR[LPDWH				
0856 0856	)	\$SSUR[LPDWH				
0856 0856	)	\$SSUR[LPDWH				
0856 0856	)	\$SSUR[LPDWH				
0856 0856	)	\$SSUR[LPDWH				

## Outline Dimensions

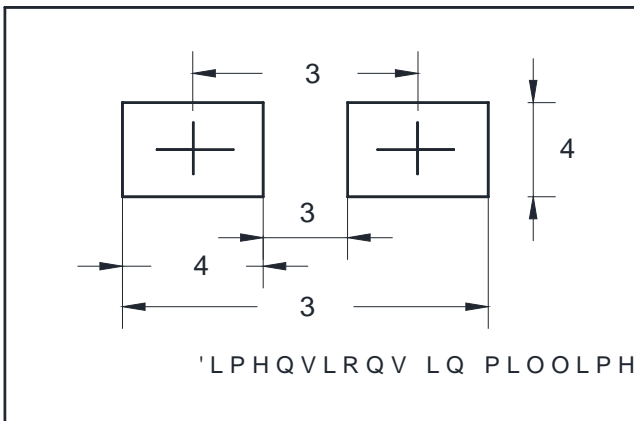
' 2 \$ & 6 0 \$



DO-214AC(SMA)		
'LP	0LQ	0D
\$		
%		
&		
'		
(		
)		
*		
+		
,		

'LPHQVLRQV LQ PLOOLPHWHUV

## Suggested Pad Layout



'LPHQVLRQV LQ PLOOLPHWHUV

DO-214AC(SMA)	
'LP	0LOOLPHWHUV
3	
3	
3	
4	
4	



# MURS120 THRU MURS160

## Disclaimer

7KH LQIRUPDWLRQ SURFHDQHG LV IRXLVLQJ HJUHQRH BQJMLH (OHFWURQLF 7HFKQRO  
ULJKW WR PDNH FKDLFHVRZLWKR XWSKRLSULFDGXIERQ/ RGLWSOD\HG KHUHLQ WURGLPVLWRY  
RU RWKHUZLVH

7KH SURGXFW OLVWHG KHUHLQ LV GHVHJRWGRFEHTXLVISEHZLWKRURGHYLFHUVWIDQG  
HTXLSPHQW RU GHYLFHV ZKLFK UHTGLW KHKEJDOXHYFHOGRQLWHELVNENRVEDDQFKU DXP  
PHGLFDO LQVWUXPHQW VHTWLSRQHVSURUWHWURVSOXFFHFDDEKWLQDFWFLDFFRQVLRGRODHHU  
GHYLFHV <DQJMLH RU DQIRQH RQ LWVDEWKDRI ODVEXDHLWQRUWHVGRQDEBJHVHUV  
RIVDOH

7KLV SXEOLFDWLRQ ISVXSFFHUWIDGIDVLQURQJPDVLSRQLSGHYRURXVGLWLRQDO LQWRHUPDWLR  
KWVZ \DQJMLH FRP