Device - FF6MR12W2M1HB70BPSAL

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Nos = 1200V, RGON = 1.8 SZ, f = 100 kHz (Designed Hill

To = 5 Ms. can in crease frequency)

considering 50% duty cycle.

1 Propagation delay -

Dead-time should be greater than 100 mg.

B (2-5)% of Ty2 = 125 nx Propagation delay should be less than this.

2)

Max. voltage 2700V. Surge possible = during 18 mitching

1-1200V talon) + Ex = 37ms

: 2400 V = 64.8 V/n/s = 64.8 KV/n/s.

CMTI Should be greater than this.

3) Working Isolation voltage to VIOWM \$\implies 1.2 times \noss \$\implies 1506V.

a) output side (Vcc2: VEE2) larger; The better, as wide voltage range and shall be fruitful to drive the mosf str. Typical range to 20 to 400.

Tsolation type - o Transformer best for HF Page-2 $T_{G}|_{PX} = \frac{15 - (-5)}{1.8} = \frac{20}{1.8} = 11.11A$ Appropriate, resister may be connected in series. 70V - T RG J.8 - Ciss = 14.7 wh F. source/sink current shall be in This range Pgate = VGS x Qg x fs = 20 x 0.5 MC x 200 kHz = 2 W. For Device - FFGMR12W2M1HB70BPSAL. | DGFAXX hy GD part No - 2EDR 8259H other advantages. · 1 Propagation Jelay = 38 78. Active Miller Clomp. @ Can handle freq HU 500KHZ. 3 Shoot Through 3 VJOWM = 1800V (continuous) @ Dead time Control": (9) -VCC2 - VEEZ = 22V (5) Source/sink current = 5 A/9 A. @ CMTI = 150 KV/MS. (7) tiz = 14 n/s (máximum)

3 5

Similarly for, Device - IMW 120 ROOTMIHXK SAL (Discrete).		
, GD - 1	EDB15XWATSE	1ED31XXMC12H.
1 Propagation delay	100 m ×	100nx.
O Frequency handling capability.	1 MHZ.	1 MHZ.
3 Isotation type	Transformer based	Transformer based.
(1) NIONW	≈ 1800V	~ 1800V (continuous)
5 NCLZ - VEEZ	35 V	40~
@ Source/ Sink current	10A	I A A.
© CMII	200 kW/MX	200 KV/MS.
(QG = 289 nC)	1.156W	1.156W
Act Other Remarky	. under voltage lockout, short cxt. clamp: Active miller damp	-Same -
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