

Ultrasound MOSFETs, Arrays and Drivers

Ultrasound MOSFETs

Device	BV _{DSS} (V)	R _{DS(ON)} (Ω)	C _{ISS} typ (pF)	V _{GS(TH)} max (V)	Package Options
TN2425	250	3.5	105	0.8 (min)	3-Lead SOT-89 (N8) 8-Lead SOIC (TG)
TN2524	240	6.0	65	2.0	3-Lead SOT-89 (N8)
TN2640	400	5.0	180	2.0	3-Lead TO-92 (N3)
TN5325	250	7.0	70	2.0	3-Lead SOT-23 (K1) 3-Lead TO-92 (N3) 3-Lead SOT-89 (N8)
TP2424	-240	8.0	200	-2.4	3-Lead SOT-89 (N8)
TP2520	-200	12	75	-2.0	3-Lead SOT-89 (N8)
TP2522	-220	12	75	-2.4	3-Lead SOT-89 (N8)
TP5322	-220	12	75	-2.4	3-Lead SOT-23 (K1) 3-Lead SOT-89 (N8)

Complementary MOSFET Arrays

Device	BV _{DSS} /BV _{DGS}		R _{DS(ON)} Max		V _{GS(TH)} max (V)	Package Options	Application Notes	Notes
	N-Channel (V)	P-Channel (V)	N-Channel (Ω)	P-Channel (Ω)				
TC1550	500	-500	60	125	4.0	8-Lead SOIC (TG)	-	1
TC2320	200	-200	7.0	12	2.0	8-Lead SOIC (TG)	-	1
TC6215	150	-150	4.0	7.0	2.0	8-Lead SOIC (TG)	-	1
TC6320	200	-200	7.0	8.0	2.0	8-Lead QFN (K6) 8-Lead SOIC (TG)	AN-H53	1
TC7320	200	-200	20	20	0.4 (typ)	32-Lead LQFP (FG)	AN-H53	2

Notes:

1. N & P-channel pair.
2. Six N & P-channel pairs.

Ultrasound MOSFET Drivers

Device	Channels	Input Voltage		Output Voltage		Package Options	Demoboards	Application Notes
		min (V)	max (V)	±5.0V	0-12V			
MD1210	2	1.2	5.0	-	0-12	12-Lead QFN (K6)	-	-
MD1211	2	1.2	5.0	-	0-12	8-Lead SOIC (LG)	-	-
MD1213	2	1.2	5.0	±5.0	0-12	12-Lead QFN (K6)	MD1213DB1	-
MD1711	12	1.8	5.5	±5.0	0-12	48-Lead QFN (K6) 48-Lead LQFP (FG)	MD1711DB2	-
MD1810	4	1.2	5.0	±5.0	0-12	16-Lead QFN (K6)	-	-
MD1811	4	1.2	5.0	±5.0	0-12	16-Lead QFN (K6)	-	AN-H54
MD1812	4	1.2	5.0	±5.0	0-12	16-Lead QFN (K6)	-	AN-H56
MD1813	4	1.2	5.0	±5.0	0-12	16-Lead QFN (K6)	-	AN-H56