

Non-magnetic Square Melf Serie

Square Melf serie

PACKAGED DIODES									
	Applicable voltage (Vr)		Total capacitance Ct (pF)		Forward series resistance Rsf (Ω)		Minority carrier τI(μs)	Max. power dissipation	
Test conditions	Ir < 10 μA	Ir = 10 μA	Vr = 50V F = 1MHz		F = 120MHz When shown		If = 10mA Ir = 6mA	Contact surface	Free air
Type	max.	typ.	typ.	max.	max.		min.	W (1)	W (2)
					@ If=50 mA				
SQM1050	50	-	0.60	0.7	0.90	-	1.0	3.0	-
SQM2050		-	0.60	0.7	1.00	-	1.0	3.0	-
SQM1250		-	0.90	1.20	0.75	-	2.0	4.0	-
SQM2150		-	1.00	1.20	0.35	-	1.0	3.0	-
SQM1350		-	1.10	1.70	0.60	-	3.5	4.5	-
SQM1450		-	1.80	2.50	0.75	-	5.0	8.0	-
SQM1150	200	-	1.00	1.20	0.35	-	1.0	3.0	-
DH50209		-	1.00	1.20	0.25	-	1.0	3.0	-
					@ If=100 mA	@ If=200 mA			
DH80050	500	550	0.40	0.45	0.70	0.65	1.1	3.0	1.2
DH80051			0.55	0.65	0.60	0.55	1.5	3.5	1.2
DH80052			0.85	1.05	0.40	0.35	2.1	4.0	1.2
DH80053			1.05	1.20	0.35	0.30	2.5	4.0	1.5
DH80054			1.25	1.35	0.30	0.27	3.0	4.5	1.5
DH80055			1.45	1.55	0.28	0.25	3.5	4.5	1.5
DH80082	800	850	0.90	1.00	0.40	0.35	3.0	-	-
DH80100	1000	1100	0.55	0.65	0.70	0.60	3.0	-	-
DH80101			-	0.90	-	-	4.0	-	-
DH80102			0.85	1.00	0.50	0.35	4.0	-	-
DH80104			-	2.00	-	-	8.0	-	-
DH80106			1.25	2.00	0.35	0.30	7.0	-	-

(1) Diode brazed on infinite copper heat sink

(2) Diode brazed on Epoxy circuit (PCB)

Temperature ranges

Operating junction (Tj) : -55°C to +150°C

Storage : -65°C to +150°C

Square Melf package

AM: Non magnetic device

	SMD4	SMD4AM	SMD6	SMD8	SMD8AM
DH50209	-6	-40			
DH80050	-6	-40			
DH80051	-6	-40			
DH80052	-6	-40			
DH80053	-6	-40			
DH80054	-6	-40			
DH80055	-6	-40	-20		
DH80082	-6	-40	-20		
DH80100	-6	-40	-20		
DH80102			-20	-24	-44
DH80106				-24	-44
SQM1050					
SQM2030					
SQM1250	SMD4				
SQM2150					
SQM1150					
SQM1350			SMD6		
SQM1450				SMD8	