

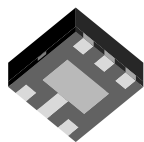
## ESD Diodes and Arrays

Part Number	$V_{WM}$	$V_C$	@ $I_{PPM}$ @ $t_p=8/20\mu s$	$C_j$	ESD Capability Air (1) min	ESD Capability contact (1) min	Lightning Capability (2) min	Bi- directional protected lines	Uni- directional protected lines	
	[V]	[V]	[A]	[pF]	[kV]	[kV]	[A]			
 GSOT05-HT3	5	9.8	17	550	15	8	7	-	1 line	
 GSOT05C-HT3	5	9.8	17	400	15	8	7	1 line	2 lines	
 GL05-HT3	5	11	17	5	15	8	17	-	1 line	

Part Number	$V_{WM}$	$V_C$	@ $I_{PPM}$ @ $t_p=8/20\mu s$	$C_j$	ESD Capability Air (1) min	ESD Capability contact (1) min	Lightning Capability (2) min	Bi- directional protected lines	Uni- directional protected lines	
	[V]	[V]	[A]	[pF]	[kV]	[kV]	[A]			
GMF05C	5	12.5	12	150	15	8	12			
 GMF05C-HS3	5	12.5	12	150	15	8	12	4 lines	5 lines	

# Selector Guide ESD Protection

Vishay Semiconductors



## LLP-75-6A Package ESD Arrays and Diodes 70 Watt ( $t_p = 8/20 \mu s$ )

Part Number	$V_{WM}$	$V_C$	$@I_{PPM}$ $@t_p=8/20\mu s$	$C_j$	ESD Capability Air (1) min	ESD Capability contact (1) min	Lightning Capability (2) min	Bi- directional protected lines	Uni- directional protected lines
	[V]	[V]	[A]	[pF]	[kV]	[kV]	[A]		
 GMF05LC- HS3	5	12.5	5	50	15	8	5	4 lines	5 lines



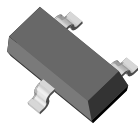
## SMF Package ESD Arrays and Diodes 1000 Watt ( $t_p = 8/20 \mu s$ )

Part Number	$V_{WM}$	$V_C$	$@I_{PPM}$ $@t_p=8/20\mu s$	$C_j$	ESD Capability Air (1) min	ESD Capability contact (1) min	Lightning Capability (2) min	Bi- directional protected lines	Uni- directional protected lines
	[V]	[V]	[A]	[pF]	[kV]	[kV]	[A]		
 SMF5V0A SMF6V0A SMF6V5A SMF7V0A SMF7V5A SMF8V0A SMF8V5A SMF9V0A SMF10A SMF11A SMF12A SMF13A SMF14A SMF15A SMF16A SMF17A SMF18A SMF20A SMF22A SMF24A	5	9.2	21.7	-	15	8	-	-	1 line
	6	10.3	19.4	-	15	8	-	-	1 line
	6.5	11.2	17.9	-	15	8	-	-	1 line
	7	12	16.7	-	15	8	-	-	1 line
	7.5	12.9	15.5	-	15	8	-	-	1 line
	8	13.6	14.7	-	15	8	-	-	1 line
	8.5	14.4	13.9	-	15	8	-	-	1 line
	9	15.4	13.5	-	15	8	-	-	1 line
	10	17	11.8	-	15	8	-	-	1 line
	11	18.2	11	-	15	8	-	-	1 line
	12	19.9	10.1	-	15	8	-	-	1 line
	13	21.5	9.3	-	15	8	-	-	1 line
	14	23.2	8.6	-	15	8	-	-	1 line
	15	24.4	8.2	-	15	8	-	-	1 line
	16	26	7.7	-	15	8	-	-	1 line
	17	27.6	7.2	-	15	8	-	-	1 line
18	29.2	5.8	-	15	8	-	-	1 line	
20	32.4	6.2	-	15	8	-	-	1 line	
22	35.5	5.6	-	15	8	-	-	1 line	
24	38.9	5.1	-	15	8	-	-	1 line	



## SMF Package (continued) ESD Arrays and Diodes 1000 Watt (tp = 8/20 μs)

	Part Number	V <sub>WM</sub>	V <sub>C</sub>	@I <sub>PPM</sub> @tp=8/20μs	C <sub>j</sub>	ESD Capability Air (1) min	ESD Capability contact (1) min	Lightning Capability (2) min	Bi-directional protected lines	Uni-directional protected lines
		[V]	[V]	[A]	[pF]	[kV]	[kV]	[A]		
	SMF26A	26	42.1	4.8	-	15	8	-	-	1 line
	SMF28A	28	45.4	4.4	-	15	8	-	-	1 line
	SMF30A	30	48.4	4.1	-	15	8	-	-	1 line
	SMF33A	33	53.3	3.8	-	15	8	-	-	1 line
	SMF36A	36	58.1	3.4	-	15	8	-	-	1 line
	SMF40A	40	64.5	3.1	-	15	8	-	-	1 line
	SMF43A	43	69.4	2.9	-	15	8	-	-	1 line
	SMF45A	45	72.7	2.8	-	15	8	-	-	1 line
	SMF48A	48	77.4	2.6	-	15	8	-	-	1 line
SMF51A	51	82.4	2.4	-	15	8	-	-	1 line	

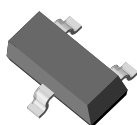


## SOT-23 Package ESD Arrays and Diodes 300 Watt (tp = 8/20 μs)

	Part Number	V <sub>WM</sub>	V <sub>C</sub>	@I <sub>PPM</sub> @tp=8/20μs	C <sub>j</sub>	ESD Capability Air (1) min	ESD Capability contact (1) min	Lightning Capability (2) min	Bi-directional protected lines	Uni-directional protected lines
		[V]	[V]	[A]	[pF]	[kV]	[kV]	[A]		
	GSOT03	3.3	6.5	18	800	15	8	18	-	1 line
	GSOT04	4	8.5	17	600	15	8	17	-	1 line
	GSOT05	5	9.8	17	550	15	8	17	-	1 line
	GSOT08	8	13.4	15	400	15	8	15	-	1 line
	GSOT12	12	19	12	185	15	8	12	-	1 line
	GSOT15	15	24	10	140	15	8	10	-	1 line
	GSOT24	24	43	5	83	15	8	5	-	1 line
	GSOT36	36	60	2	80	15	8	2	-	1 line
	GSOT03C	3.3	7	18	600	15	8	18	1 line	2 lines
	GSOT04C	4	8.5	17	600	15	8	17	1 line	2 lines
	GSOT05C	5	9.8	17	400	15	8	17	1 line	2 lines
	GSOT08C	8	13.4	15	350	15	8	15	1 line	2 lines
	GSOT12C	12	19	12	150	15	8	12	1 line	2 lines
	GSOT15C	15	24	10	100	15	8	10	1 line	2 lines
	GSOT24C	24	43	5	63	15	8	5	1 line	2 lines
	GSOT36C	36	60	2	60	15	8	2	1 line	2 lines

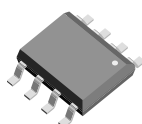
# Selector Guide ESD Protection

Vishay Semiconductors



## SOT-23 Package (continued) ESD Arrays and Diodes 300 Watt (tp = 8/20 μs)

	Part Number	V <sub>WM</sub>	V <sub>C</sub>	@I <sub>PPM</sub> @tp=8/20μs	C <sub>j</sub>	ESD Capability Air (1) min	ESD Capability contact (1) min	Lightning Capability (2) min	Bi- directional protected lines	Uni- directional protected lines
		[V]	[V]	[A]	[pF]	[kV]	[kV]	[A]		
	GL05T	5	11	17	5	15	8	17	-	1 line
	GL12T	12	24	12	5	15	8	12	-	1 line
	GL15T	15	33	10	5	15	8	10	-	1 line
	GL24T	24	55	5	5	15	8	5	-	1 line



## SO-8 Package ESD Arrays and Diodes 300 Watt (tp = 8/20 μs)

	Part Number	V <sub>WM</sub>	V <sub>C</sub>	@I <sub>PPM</sub> @tp=8/20μs	C <sub>j</sub>	ESD Capability Air (1) min	ESD Capability contact (1) min	Lightning Capability (2) min	Bi- directional protected lines	Uni- directional protected lines
		[V]	[V]	[A]	[pF]	[kV]	[kV]	[A]		
	GCDA05	5	9.8	12	5	15	8	12	2 lines	4 lines
	GMDA05	5	9.8	17	400	15	8	17	2 lines	4 lines
	GMDA05C-5	5	9.8	17	400	15	8	17	5 lines	6 lines
	GMDA05-6	5	9.8	12	400	15	8	17	5 lines	6 lines
	GMDA05C	5	9.8	17	400	15	8	17	4 lines	-

(1) (IEC61000-4-2)

(2) (IEC61000-4-5)