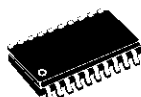
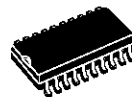




SO8



SSOP20



SO20

DATALINE PROTECTION AGAINST ELECTRICAL OVERSTRESS (EOS)

Array Function (UL)	Type	Max ratings	I _{RM} @ V _{RM}		V _{BR} @ I _R		V _{CL} @ I _{PP} 8/20 μs expo		Package
		I _{PP} 8/20 μs (2)	max		min		max		
		(A)	(μA)	(V)	(V)	(mA)	(V)	min	
4 Bidirectional Transils	ITA6V5B1	40	50	5	6.5	1	10	10	SO8
	ITA10B1	40	10	8	10	1	15	10	
	ITA18B1	40	4	15	18	1	25	10	
	ITA25B1	40	4	24	25	1	33	10	
8 Bidirectional Transils	ITA6V5B3	40	50	5	6.5	1	9.5	10	SO20
	ITA10B3	40	10	8	10	1	13	10	
	ITA18B3	40	4	15	18	1	23	10	
	ITA25B3	40	4	24	25	1	31	10	
6 Unidirectional Transils	ITA6V1U1	40	50	5	6.1	1	10	10	SO8

* Pulse test $t_p \leq 50$ ms $\delta < 2\%$.

(UL): UL 497B Recognized (Protection components for communication circuits - File # 136224)

DATALINE PROTECTION AGAINST ELECTROSTATIC DISCHARGE (ESD)

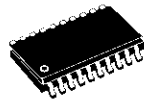
Array Function	Type	I _{RM} @ V _{RM}		V _{BR} @ I _R			R _d	C1 @ 0V	C2 @ V _{RM}	Package
		max		min		max				
		(μA)	(V)	(V)	(V)	(mA)	(Ω)	(pF)	(pF)	
6 Bidirectional Transils	ESDA25B1	2	24	25	30	1	1.5	15	9	SO8
18 Bidirectional Transils	ESDA25DB3	2	24	25	30	1	0.5	50	30	SO20
6 Unidirectional Transils	ESDA6V1U1	2	5	6.1	7.2	1	0.5	100	50	SO8
18 Unidirectional Transils	ESDA6V1S3	2	5	6.1	7.2	1	0.5	120	60	SO20
♦ 18 Unidirectional Transils	ESDA6V2S6	2	5	6.1	7.2	1	0.5	120	60	SSOP20

♦ : New product

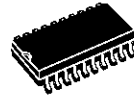
HIGH SPEED DATALINES PROTECTION

Array Function	Type	V _{RRM}	I _{PP} Ta=25°C 8/20μs	P _{tot} Ta=70°C	I _R @ V _R = 15V Ta=25°C max	V _F @ I _F max		V _{tp} @ I _{PP} 8/20μs		Package
		(V)	(A)	(W)	(mA)	(V)	(mA)	(V)	min	
8 Diodes	DA108S1	18	12	0.73	2	1.2	50	9	12	SO8
♦ 12 Diodes	DA112S1	18	12	0.73	2	1.2	50	9	12	SO8

♦ : New product



SSOP20



SO20

BUS TERMINATION: RCD NETWORK

Type	R		C		D					Package
					I _R @ V _{RRM} = 7.5 V				C _d @ V _{bias} = 0V	
					V _R					
	@ 25°C	@ 70°C	@ 1mA	@ 16mA						
	min	max	min	max	max	max	max	max	max	
	Ω	Ω	pF	pF	μA	μA	V	V	pF	
♦ RCD16-47B6	42	52	29	37	1	10	0.5	1	8	SSOP20
♦ RCD16-47B6	42	52	29	37	1	10	0.5	1	8	SO20

♦ : New product