

Phototransistor Output; GaAs AC Input											
Part Number	CTR @ $\pm 10\text{mA } I_F(\%)$		BV_{CEO} (V)	BV_{CBO} (V)	t_{ON}/t_{OFF} (μs)	V_{ISO} AC[RMS]	Pkg Outline		Agency Approvals		
	min	max	min	min	max	QT	MOT	Standard	VDE 0884		
			min	min	max	QT	MOT		QT	MOT	
H11AA1	20	-	30	70	-	5.3kV	K	J	A,B,D,F,N,S,T,U	.300	V
H11AA2	10	-	30	70	-	5.3kV	K	J	A,B,D,F,N,S,T,U	.300	V
H11AA3	50	-	30	70	-	5.3kV	K	J	A,B,D,F,N,S,T,U	.300	V
H11AA4	100	-	30	70	-	5.3kV	K	J	A,B,D,F,N,S,T,U	.300	V

Phototransistor Output; GaAs AC Input (No base connection) (4-Pin)											
Part Number	CTR @ $\pm 1\text{mA } I_F(\%)$		BV_{CEO} (V)	BV_{CBO} (V)	t_{ON}/t_{OFF} (μs)	V_{ISO} AC[RMS]	Pkg Outline		Agency Approvals		
	min	max	min	min	max	QT	MOT	Standard	VDE 0884		
			min	min	max	QT	MOT		QT	MOT	
H11AA814	20	300	35	6	18	5.3kV	G	N/A	A,B,D,F,N,S,U	.300	N/A
H11AA814A	50	300	35	6	18	5.3kV	G	N/A	A,B,D,F,N,S,U	.300	N/A

Logic Output; GaAs Input												
Part Number	$I_{I(ON)}$ RMS (mA)	$I_{I(OFF)}$ RMS (mA)	V_{CC} (V)	$V_{I(ON)}$ RMS (V)	$V_{I(OFF)}$ RMS (V)	I_{OH} (μA)	V_{ISO} AC[RMS]	Pkg Outline		Agency Approvals		
	min	max	max	min	max	max	QT	MOT	Standard	VDE0884		
			max	min	max	max	QT	MOT		QT	MOT	
MID400	4	0.15	7	90	5.5	100	2.5kV	D	N/A	A, U	N/A	N/A

Photo SCR Output; GaAs Input											
Part Number	I_{FT}^* (mA)	V_{TM} (V)	V_{DM} (V)	I_{DM} (μA)	I_H (mA)	V_{ISO} AC[RMS]	Pkg Dwg		Agency Approvals		
	max	max	max	max	max	QT	MOT	Standard	VDE 0884		
			max	max	max	max	QT		MOT	QT	MOT
4N39	14	1.3	200	50	1.0	5.3kV	E	N/A	A,B,D,F,N,S,T,U	.300	N/A
4N40	14	1.3	400	150	1.0	5.3kV	E	N/A	A,B,D,F,N,S,T,U	.300	N/A
H11C1	20	1.3	200	50	-	5.3kV	E	N/A	A,B,D,F,N,S,T,U	.300	N/A
H11C2	20	1.3	200	50	-	5.3kV	E	N/A	A,B,D,F,N,S,T,U	.300	N/A
H11C3	30	1.3	200	50	-	5.3kV	E	N/A	A,B,D,F,N,S,T,U	.300	N/A
H11C4	20	1.3	400	150	-	5.3kV	E	N/A	A,B,D,F,N,S,T,U	.300	N/A
H11C5	20	1.3	400	150	-	5.3kV	E	N/A	A,B,D,F,N,S,T,U	.300	N/A
H11C6	30	1.3	400	150	-	5.3kV	E	N/A	A,B,D,F,N,S,T,U	.300	N/A

Notes:

* $I_{FT} @ V_{AK} = 100V$

Optocoupler package drawings appear on pages 23, 24 and 25