DUAL CHANNEL

SLOTTED INTERRUPTER SWITCH (TRANSISTOR SENSOR)				WITHOUT MOUNTING TAB			WITH MOUNTING TAB		
Parameter		Units	Test Conditions	ISTS150	ISTS832S	ISTS832SD	ISTS250	ISTS822S	ISTS822SD
V_F	Max	V_F	I_F= 20mA	1.6	1.7	1.7	1.6	1.7	1.7
I_F	Max	µA	V_R= 3V	100	100	100	100	100	100
BV_{ECO}	Min	V	I_C= 1mA	30	30	30	30	30	30
BV_{ECO}	Min	V	I_E= 100µA	5.0	5.0	5.0	5.0	5.0	5.0
I_{CEO}	Max	nA	V_{CE}= 25V I_F= 0	100	100	100	100	100	100
$V_{CE(SAT)}$			I_F= 20mA						
	Max	V	I_C= 50µA	-	-	0.4	-	-	0.4
	Max	V	I_C= 125µA	0.4	0.4	-	0.4	0.4	-
$I_{C\,ON}$			V_{CE}= 10V						
	Min	µA	I_F= 20mA	250	250	100	250	250	100
			V_{CC}= 5V, R_L= 100Ω						
t_r	Typ	µA	I_F= 1mA	3.0	-	-	3.0	-	-
t_f	Typ	µA		3.0	-	-	3.0	-	-
Aperture		mm	Emitter	-	-	0.25	-	-	0.25
		mm	Sensor	-	0.25	0.25	-	0.25	0.25
Package / Schematic				5 / 5	5 / 5	5 / 5	6 / 5	6 / 5	6 / 5

SPECIAL PURPOSE

OPTO - SWITCHES (TRANSISTOR SENSOR)				REFLECTIVE SWITCH			FLYING LEAD SWITCH			5mm GAP			
Parameter		Units	Test Conditions	ISTS149	ISTS703A	ISTS708		ISTS823A	ISTS824A		ISTS105		ISTS802
			I_F(mA)=	40	40	40		20	20		20		10
V_F	Max	V		1.6	1.7	1.7		1.7	1.7		1.4		1.3
I_R	Max	µA	V_R= 3V	100	100	100		100	100		10		10
BV_{ECO}	Min	V	I_C= 1mA	30	30	30		30	30		35		30
BV_{ECO}	Min	V	I_E= 100µA	6.0	5.0	5.0		5.0	5.0		6.0		5.0
I_{CEO}	Max	nA	V_{CE}= 25V I_F= 0	100	100	100		100	100		100		100
$V_{CE(SAT)}$			I_F= 20mA D(mm)=	3.8	3.5	3.8	I_C(µA)=	100	250	I_C=0.2mA		I_C=0.2mA	
	Max	V	I_C= 3µA	0.4	-	0.4	I_F=20mA	0.4	0.4	I_F=20mA	0.4	I_F=20mA	0.4
	Max	V	I_C= 100µA	-	0.4	-		-	-		-		-
$I_{C\,ON}$			V_{CE}= 5V D(mm)=	3.8	5.0	3.8	V_{CE}=10V	-		V_{CE}=5V	-	V_{CE}=5V	-
	Min	µA	I_F= 20mA	25	200	10	I_F=20mA	200	500	I_F=20mA	500	I_F=20mA	400
Package / Schematic				11/4	9/4	10/4		4/3	4/3		12/1		*/1